

Converting Colors

XYZ(77.7608, 85.8150,
102.8648)

Have a look what the booklet for
XYZ(77.7608, 85.8150, 102.8648)
contains.

XYZ(77.6248, 85.6022, 102.8741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.6248, 85.6022,
102.8741)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F3FA
RGB	216, 243, 250
RGB Percent	85%, 95%, 98%
CMY	0.1529, 0.0470, 0.0196
CMYK	0.14, 0.03, 0.00, 0.02
HSL	192°, 77%, 91%
HSV	192°, 14%, 98%
XYZ	77.6248, 85.6022, 102.8741
YIQ	235.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

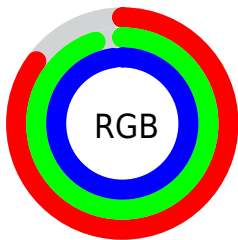
Format	Color
R _{YB}	216, 231, 250
Decimal	14218234
CIE Lab	94.14, -7.38, -6.35
CIE LCh	94, 9.739, 220.700
Yxy	85.6022, 0.2917, 0.3217
Android (android.graphics.Color)	4292408314 (0xFFD8F3FA)
YUV	235.7250, 7.0376, -17.2988
Hunter-Lab	92.5215, -12.1524, -1.1592

Details

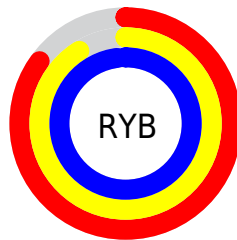
The XYZ color **77.6248, 85.6022, 102.8741** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.2073, 78.0570, 75.9119**, and the grayscale version is **79.4785, 83.6176, 91.0595**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2059, 47.0128, 57.8888** is the 20% darker color. If you saturate the color by 10%, you get **69.2759, 79.0467, 102.0502**, and if you desaturate by 10%, it is **87.1455, 92.8304, 103.7688**.

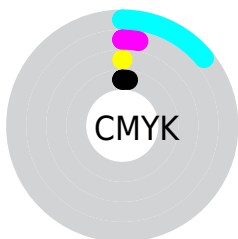
Distribution



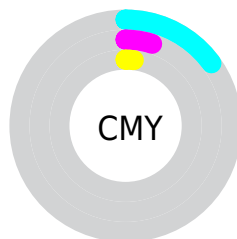
- Red (85%)
- Green (95%)
- Blue (98%)



- Red (85%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (15%)
- Magenta (5%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6248, 85.6022, 102.8741 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 77.6248, 85.6022, 102.8741 by changing the saturation by 10% instead.

77.6248, 85.6022,
102.8741

77.6248, 85.6022,
102.8741

475.7510,
513.6186, 590.6937

58.0675, 64.3391,
78.0728

128.9892,
141.2142, 167.1875

42.1064, 46.9254,
57.6170

161.5271,
176.3319, 207.5366

29.3761, 32.9767,
41.0881

199.1226,
216.8366, 253.9055

19.5112, 22.1086,
28.0677

242.1410,
263.1127, 306.7125

12.1464, 13.9367,
18.1372

290.9477,
315.5445, 366.3763

6.9164, 8.0766,
10.8781

345.9080,

3.4557, 4.1440,

374.5165, 433.3154

5.8718

407.3873,
440.4131, 507.9484

■ 1.3991, 1.7545,
2.6997

■ 0.2556, 0.4585,
0.9433

■ 77.6248, 85.6022,
102.8741

■ 77.6248, 85.6022,
102.8741

■ 69.2759, 79.0467,
102.0502

■ 87.1455, 92.8304,
103.7688

■ 62.0404, 73.1265,
101.2888

■ 93.7139, 98.5988,
104.5361

■ 55.8660, 67.8162,
100.5892

■ 94.2556, 99.6822,
104.7166

■ 50.6930, 63.0848,
99.9486

■ 46.4557, 58.8976,
99.3637

■ 43.0802, 55.2161,
98.8311

■ 40.4811, 51.9957,
98.3464

■ 38.5541, 49.1821,
97.9049

■ 37.5768, 47.5446,
97.6404

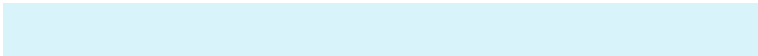
Harmonies

Analogous

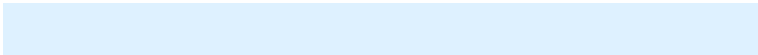
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.5405, 85.6022, 95.8943



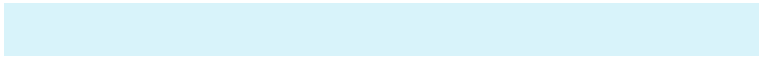
77.6248, 85.6022, 102.8741



79.7185, 85.6022, 107.4068

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



77.6248, 85.6022, 102.8741



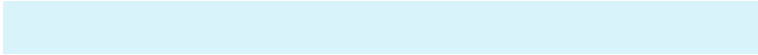
86.1804, 85.6022, 98.0268



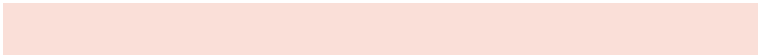
80.4361, 85.6022, 79.8130

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



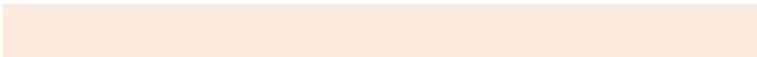
77.6248, 85.6022, 102.8741



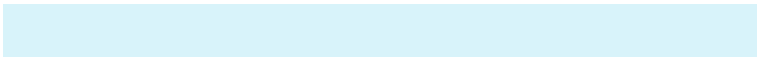
78.2073, 78.0570, 75.9119

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0286, 85.6022, 80.3160



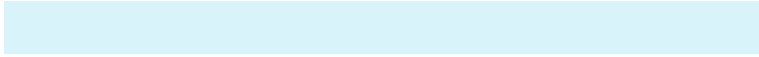
77.6248, 85.6022, 102.8741



86.3825, 85.6022, 90.5689

Square

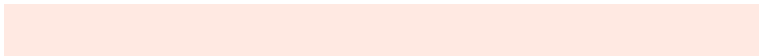
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6248, 85.6022, 102.8741



84.6715, 85.6022, 104.5067



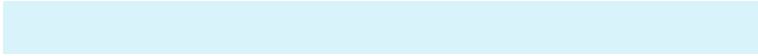
85.2179, 85.6022, 84.1639



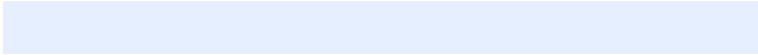
78.1405, 85.6022, 82.7513

Rectangle

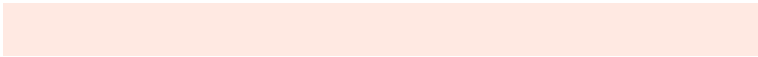
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



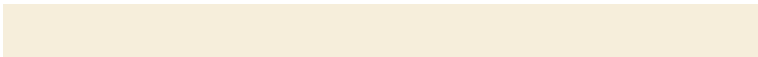
77.6248, 85.6022, 102.8741



81.4235, 85.6022, 108.2939



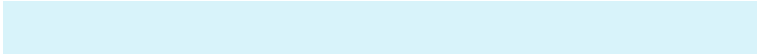
85.2179, 85.6022, 84.1639



81.3012, 85.6022, 79.5894

Sweetspot

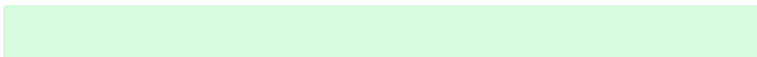
The Sweet Spot groups the original color and five complimentary colors.



77.6273, 85.6058, 102.8760



90.7305, 96.7846, 108.5070



75.7983, 88.2886, 82.7187



19.2511, 20.5892, 23.2094



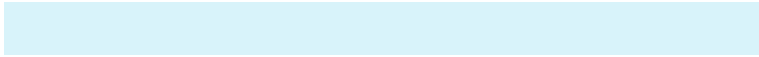
0.0000, 0.0000, 0.0000



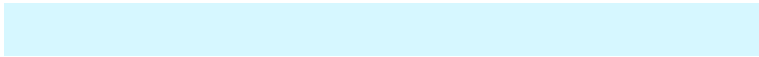
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.6273, 85.6058, 102.8760



78.9798, 87.8258, 107.3971



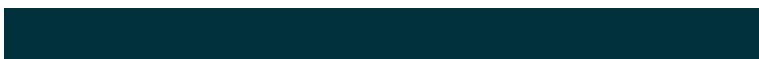
72.8265, 76.0042, 101.2758



17.4447, 18.9663, 22.1267



20.0381, 25.4318, 51.8263



1.9296, 2.5029, 4.8246

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



80.1598, 75.9086, 95.2250



82.0647, 76.1454, 98.0479



82.9217, 87.4859, 77.4833



17.8310, 17.4598, 20.9659



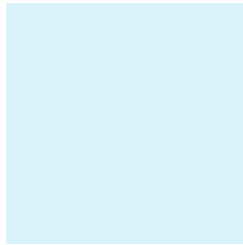
26.4063, 12.9783, 29.9119



2.4829, 1.2169, 2.9663

Previews

White Background



This preview shows how the XYZ color 77.6248, 85.6022, 102.8741 looks on a white background.

Color Contrast Check

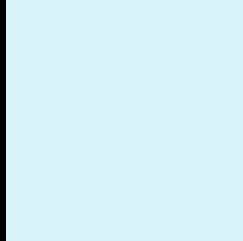
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 77.6248, 85.6022, 102.8741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

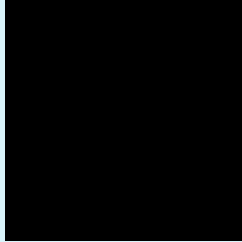
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.6248, 85.6022, 102.8741

Background



This preview shows how black text looks on a background with the XYZ color 77.6248, 85.6022, 102.8741.

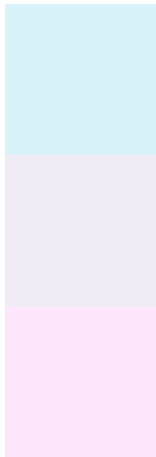


This preview shows how white text looks on a background with the XYZ color 77.6248, 85.6022,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

77.6248, 85.6022, 102.8741

Protanopia

82.5652, 85.1700, 99.2766

Deuteranopia

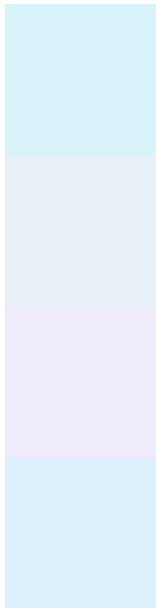
87.0197, 85.2509, 103.9641



Tritanopia

79.6415, 85.2282, 106.8609

Trichromacy



Original Color

77.6248, 85.6022, 102.8741

Protanomaly

80.6100, 85.4373, 100.2381

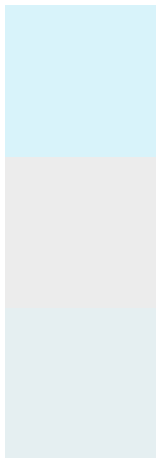
Deuteranomaly

83.0561, 84.9070, 103.2779

Tritanomaly

78.7001, 85.2181, 105.2293

Monochromacy



Original Color

77.6248, 85.6022, 102.8741

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.0568, 84.7419, 95.4092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6248, 85.6022, 102.8741 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(216, 243, 250)` looks like.

```
.text, #text, p{  
    color:rgb(216, 243, 250)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(216, 243, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 243, 250) }
```

Border

The CSS property to change the border of an element to XYZ 77.6248, 85.6022, 102.8741 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 243, 250) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(216, 243, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(216, 243, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 243, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 243, 250);  
box-shadow:4px 4px 4px 4px rgb(216, 243,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6248, 85.6022, 102.8741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 243, 250) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(216,  
243, 250) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor