

Converting Colors

XYZ(77.6669, 85.2716,
102.4383)

Have a look what the booklet for
XYZ(77.6669, 85.2716, 102.4383)
contains.

XYZ(77.6227, 85.1581, 102.7885)	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(77.6227, 85.1581,
102.7885)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F2FA
RGB	217, 242, 250
RGB Percent	85%, 95%, 98%
CMY	0.1490, 0.0510, 0.0196
CMYK	0.13, 0.03, 0.00, 0.02
HSL	195°, 77%, 92%
HSV	195°, 13%, 98%
XYZ	77.6227, 85.1581, 102.7885
YIQ	235.4370, -17.4680, -2.8120

Conversions

Conversions Part 2

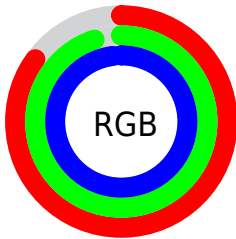
Format	Color
R _Y B	217, 231, 250
Decimal	14283514
CIE Lab	93.95, -6.57, -6.63
CIE LCh	94, 9.328, 225.261
Yxy	85.1581, 0.2923, 0.3207
Android (android.graphics.Color)	4292473594 (0xFFD9F2FA)
YUV	235.4370, 7.1796, -16.1692
Hunter-Lab	92.2811, -11.3459, -1.4441

Details

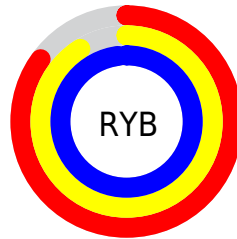
The XYZ color **77.6227, 85.1581, 102.7885** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **78.8744, 79.1838, 76.7740**, and the grayscale version is **79.2572, 83.3847, 90.8059**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1968, 46.6942, 57.8278** is the 20% darker color. If you saturate the color by 10%, you get **68.9746, 78.0694, 101.8774**, and if you desaturate by 10%, it is **87.4612, 92.9536, 103.7760**.

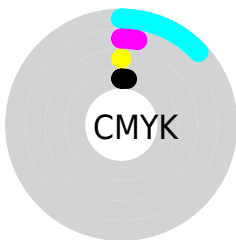
Distribution



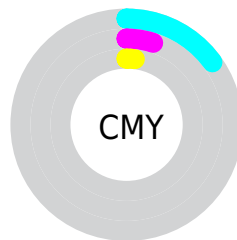
- Red (85%)
- Green (95%)
- Blue (98%)



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



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6227, 85.1581, 102.7885 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 77.6227, 85.1581, 102.7885 by changing the saturation by 10% instead.

■ 77.6227, 85.1581,
102.7885

■ 77.6227, 85.1581,
102.7885

475.7440,
512.1511, 590.4192

■ 58.0658, 63.9720,
78.0015

128.9863,
140.5940, 167.0692

■ 42.1050, 46.6280,
57.5588

161.5237,
175.6127, 207.4000

■ 29.3750, 32.7417,
41.0417

199.1186,
216.0110, 253.7491

■ 19.5104, 21.9286,
28.0317

242.1365,
262.1734, 306.5352

■ 12.1458, 13.8045,
18.1103

290.9426,
314.4841, 366.1767

■ 6.9160, 7.9848,
10.8590

345.9023,

■ 3.4555, 4.0852,

373.3278, 433.0921

5.8591

407.3810,
439.0886, 507.7001

■ 1.3990, 1.7213,
2.6922

■ 0.2555, 0.4374,
0.9395

■ 77.6227, 85.1581,
102.7885

■ 77.6227, 85.1581,
102.7885

■ 68.9746, 78.0694,
101.8774

■ 87.4612, 92.9536,
103.7760

■ 61.4583, 71.6499,
101.0345

■ 93.9759, 99.1229,
104.6234

■ 55.0215, 65.8737,
100.2588

■ 94.2556, 99.6822,
104.7166

■ 49.6045, 60.7094,
99.5475

■ 45.1416, 56.1222,
98.8973

■ 41.5592, 52.0732,
98.3046

■ 38.7720, 48.5175,
97.7652

■ 36.6765, 45.4009,
97.2740

■ 35.5439, 43.4789,
96.9627

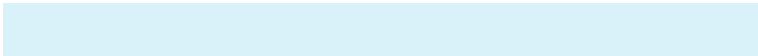
Harmonies

Analogous

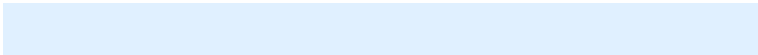
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4166, 85.1581, 96.3721



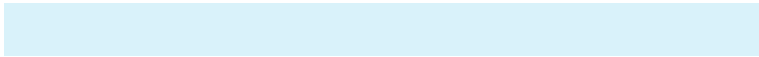
77.6227, 85.1581, 102.7885



79.7304, 85.1581, 106.5991

Triad

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



77.6227, 85.1581, 102.7885



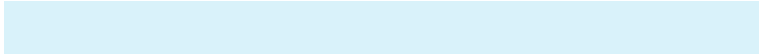
85.6506, 85.1581, 96.2487



79.6888, 85.1581, 80.1353

Complementary

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



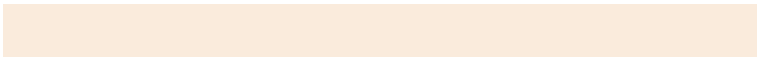
77.6227, 85.1581, 102.7885



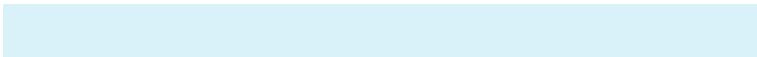
78.8744, 79.1838, 76.7740

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.



82.1622, 85.1581, 80.1060



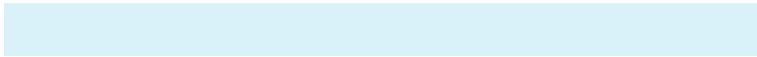
77.6227, 85.1581, 102.7885



85.6389, 85.1581, 89.1666

Square

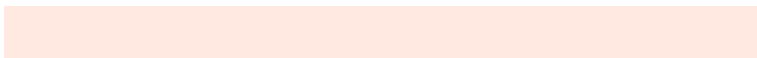
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.6227, 85.1581, 102.7885



84.3826, 85.1581, 102.6942



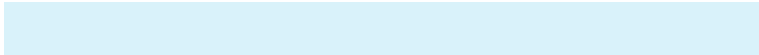
84.3509, 85.1581, 83.3365



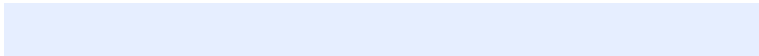
77.5928, 85.1581, 83.4185

Rectangle

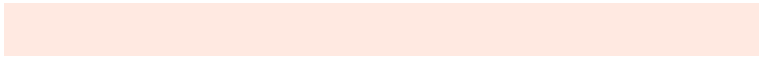
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



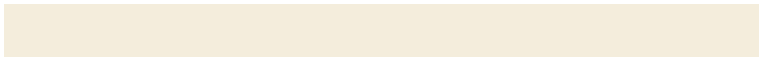
77.6227, 85.1581, 102.7885



81.3792, 85.1581, 107.0307



84.3509, 85.1581, 83.3365



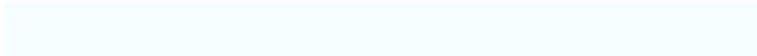
80.5028, 85.1581, 79.7503

Sweetspot

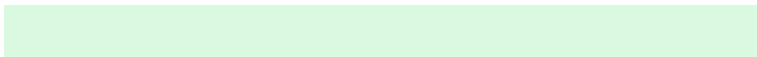
The Sweet Spot groups the original color and five complimentary colors.



77.6252, 85.1616, 102.7904



90.6130, 96.5496, 108.4679



76.3520, 88.5443, 84.0878



19.2213, 20.5296, 23.1995



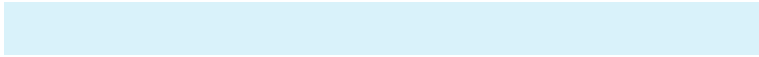
0.0000, 0.0000, 0.0000



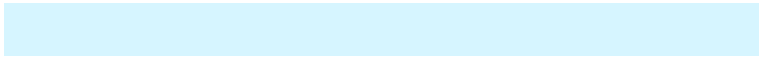
20.3446, 21.4041, 23.3091

Same Dimension

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



77.6252, 85.1616, 102.7904



78.5267, 86.9197, 107.2461



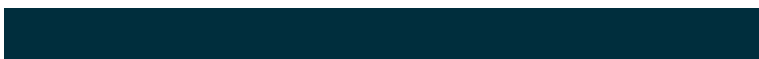
73.0141, 75.9394, 101.2534



17.3886, 18.8540, 22.1080



18.9714, 23.2983, 51.4707



1.8392, 2.3221, 4.7945

Inverse Universe

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



80.2661, 76.3622, 94.5174



81.8360, 76.0539, 96.8436



83.4647, 88.3643, 78.3041



17.8027, 17.4484, 20.8167



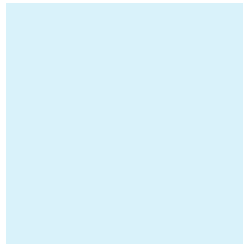
25.8679, 12.7629, 27.0764



2.4373, 1.1986, 2.7261

Previews

White Background



This preview shows how the XYZ color 77.6227, 85.1581, 102.7885 looks on a white background.

Color Contrast Check

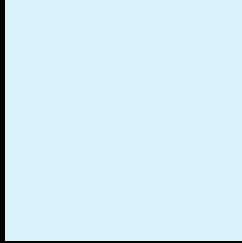
Large Text (above 18pt) WCAG AA × Fail

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 77.6227, 85.1581, 102.7885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

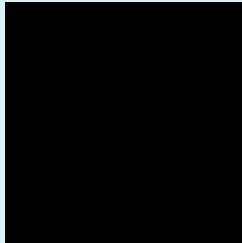
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6227, 85.1581, 102.7885

Background



This preview shows how black text looks on a background with the XYZ color 77.6227, 85.1581, 102.7885.



This preview shows how white text looks on a background with the XYZ color 77.6227, 85.1581,

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

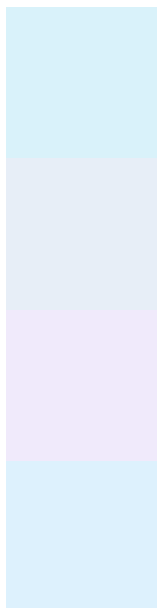




Tritanopia

79.6415, 85.2282, 106.8609

Trichromacy



Original Color

77.6227, 85.1581, 102.7885

Protanomaly

80.3180, 84.8534, 100.1408

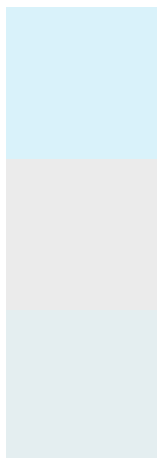
Deuteranomaly

82.7706, 84.3359, 103.1828

Tritanomaly

79.0037, 85.3746, 105.2435

Monochromacy



Original Color

77.6227, 85.1581, 102.7885

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2976, 83.9343, 94.5123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6227, 85.1581, 102.7885 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(217, 242, 250)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 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(217, 242, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 250) }
```

Border

The CSS property to change the border of an element to XYZ 77.6227, 85.1581, 102.7885 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(217, 242, 250) }
```


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

```
.border{ border-color:rgb(217, 242, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 242, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 250);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6227, 85.1581, 102.7885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 250) }
```

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

```
.background{ background-color: rgb(217,  
242, 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