

Converting Colors

XYZ(78.1877, 85.5296,
106.9957)

Have a look what the booklet for
XYZ(78.1877, 85.5296, 106.9957)
contains.

XYZ(78.1210, 85.3232, 106.9593)	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(78.1210, 85.3232,
106.9593)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F2FF
RGB	216, 242, 255
RGB Percent	85%, 95%, 100%
CMY	0.1529, 0.0510, 0.0000
CMYK	0.15, 0.05, 0.00, 0.00
HSL	200°, 100%, 92%
HSV	200°, 15%, 100%
XYZ	78.1210, 85.3232, 106.9593
YIQ	235.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

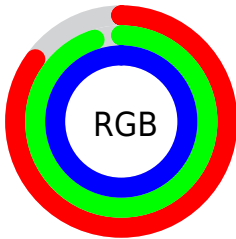
Format	Color
RYB	216, 232, 255
Decimal	14217983
CIELab	94.02, -5.87, -9.12
CIELCh	94, 10.849, 237.222
Yxy	85.3232, 0.2889, 0.3155
Android (android.graphics.Color)	4292408063 (0xFFD8F2FF)
YUV	235.7080, 9.5110, -17.2839
Hunter-Lab	92.3706, -10.6848, -3.9947

Details

The XYZ color **78.1210, 85.3232, 106.9593** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6535, 82.2550, 76.5405**, and the grayscale version is **79.4478, 83.5853, 91.0244**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4499, 46.7721, 60.2166** is the 20% darker color. If you saturate the color by 10%, you get **68.6939, 76.7979, 105.8107**, and if you desaturate by 10%, it is **88.8392, 94.6931, 108.2030**.

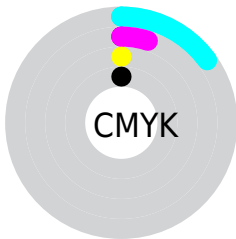
Distribution



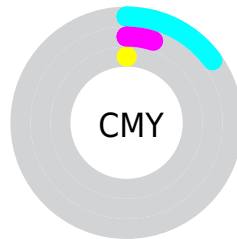
- Red (85%)
- Green (95%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1210, 85.3232, 106.9593 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 78.1210, 85.3232, 106.9593 by changing the saturation by 10% instead.

78.1210, 85.3232,
106.9593

78.1210, 85.3232,
106.9593

477.4112,
512.6969, 603.7180

58.4765, 64.1085,
81.4760

129.6851,
140.8246, 172.8234

42.4366, 46.7385,
60.4004

162.3355,
175.8801, 214.0413

29.6359, 32.8290,
43.3140

200.0519,
216.3180, 261.3411

19.7091, 21.9955,
29.7984

243.1996,
262.5227, 315.1414

12.2908, 13.8536,
19.4348

292.1440,
314.8785, 375.8607

7.0156, 8.0189,
11.8049

347.2505,

3.5183, 4.1070,

373.7699, 443.9175

6.4901

408.8845,
439.5812, 519.7305

■ 1.4334, 1.7336,
3.0717

■ 0.2798, 0.4453,
1.1314

■ 78.1210, 85.3232,
106.9593

■ 78.1210, 85.3232,
106.9593

■ 68.6939, 76.7979,
105.8107

■ 88.8392, 94.6931,
108.2030

■ 60.4957, 69.0759,
104.7523

95.0500, 100.0000,
108.9000

■ 53.4693, 62.1278,
103.7815

■ 47.5497, 55.9175,
102.8948

■ 42.6654, 50.4057,
102.0883

■ 38.7358, 45.5483,
101.3578

■ 35.6669, 41.2942,
100.6985

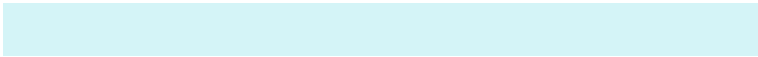
■ 33.3432, 37.5812,
100.1043

■ 32.4301, 35.9803,
99.8434

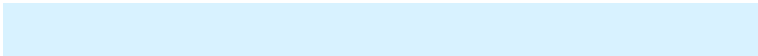
Harmonies

Analogous

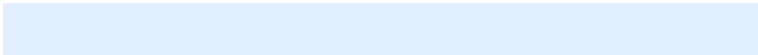
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.2477, 85.3232, 100.3865



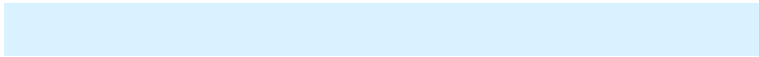
78.1210, 85.3232, 106.9593



80.8276, 85.3232, 109.7508

Triad

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



78.1210, 85.3232, 106.9593



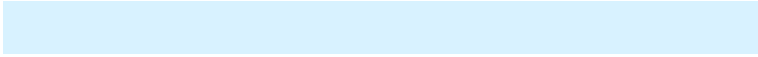
86.7845, 85.3232, 93.6773



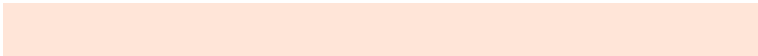
78.5777, 85.3232, 79.4364

Complementary

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



78.1210, 85.3232, 106.9593



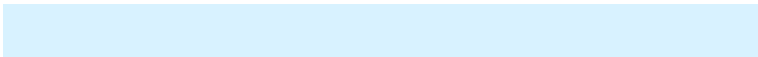
81.6535, 82.2550, 76.5405

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.



81.3672, 85.3232, 77.8732



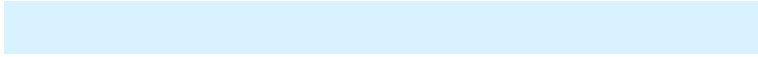
78.1210, 85.3232, 106.9593



86.1479, 85.3232, 85.8000

Square

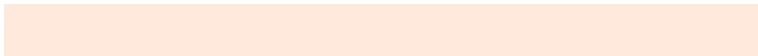
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1210, 85.3232, 106.9593



85.8673, 85.3232, 101.8023



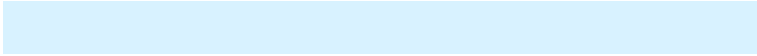
84.1479, 85.3232, 80.1345



76.5070, 85.3232, 84.5370

Rectangle

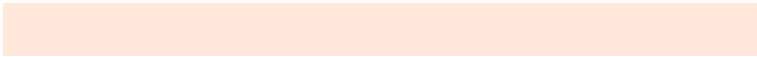
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1210, 85.3232, 106.9593



82.7562, 85.3232, 108.9749



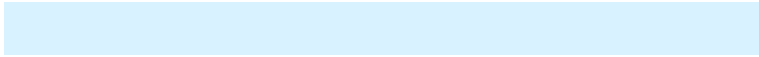
84.1479, 85.3232, 80.1345



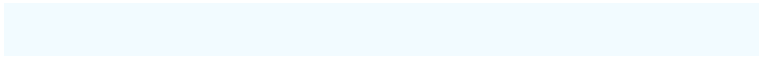
79.4604, 85.3232, 78.4935

Sweetspot

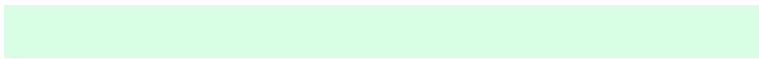
The Sweet Spot groups the original color and five complimentary colors.



78.1233, 85.3266, 106.9599



89.1734, 94.9807, 108.2409



78.1320, 91.7403, 87.2446



18.9158, 20.1825, 23.1486



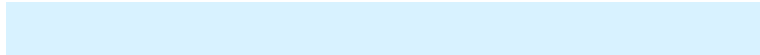
0.0000, 0.0000, 0.0000



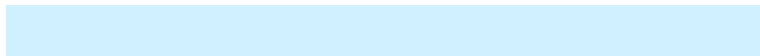
20.3446, 21.4041, 23.3091

Same Dimension

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



78.1233, 85.3266, 106.9599



75.4462, 82.9366, 106.6397



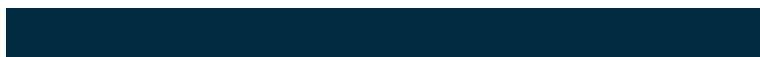
72.7979, 74.6758, 105.1848



18.0150, 19.4017, 23.0454



17.0884, 19.0865, 52.2180



1.7644, 2.0595, 5.1178

Inverse Universe

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



81.8242, 76.7840, 94.5167



79.7494, 73.1838, 92.1313



87.1564, 93.2608, 78.3748



18.5202, 18.1914, 21.3567



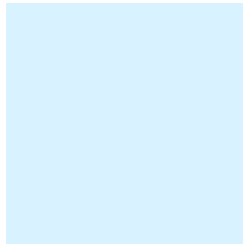
25.4137, 12.6548, 21.3606



2.5252, 1.2524, 2.3470

Previews

White Background



This preview shows how the XYZ color 78.1210, 85.3232, 106.9593 looks on a white background.

Color Contrast Check

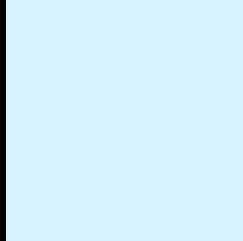
Large Text (above 18pt) WCAG AA × Fail

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 78.1210, 85.3232, 106.9593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

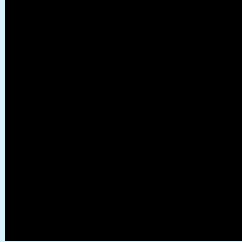
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1210, 85.3232, 106.9593

Background



This preview shows how black text looks on a background with the XYZ color 78.1210, 85.3232, 106.9593.

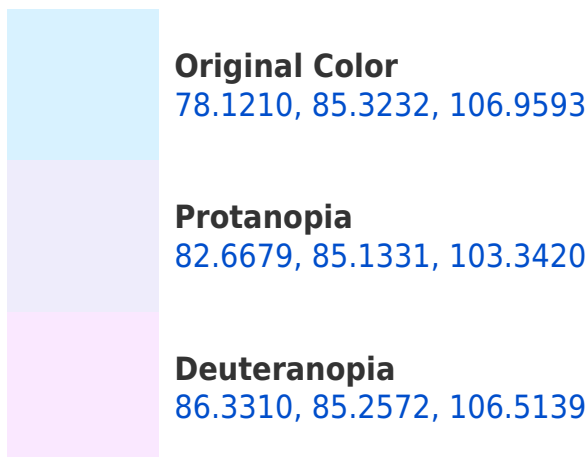


This preview shows how white text looks on a background with the XYZ color 78.1210, 85.3232,

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

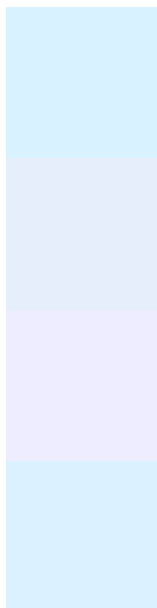




Tritanopia

79.3343, 85.0698, 106.8465

Trichromacy



Original Color

78.1210, 85.3232, 106.9593

Protanomaly

80.7784, 85.0003, 104.2447

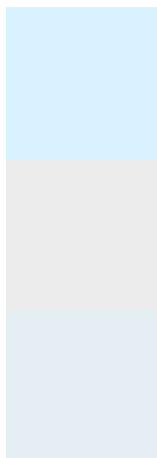
Deuteranomaly

83.3053, 85.3880, 106.6986

Tritanomaly

79.0205, 85.3462, 106.9164

Monochromacy



Original Color

78.1210, 85.3232, 106.9593

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.0653, 84.2781, 96.8941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1210, 85.3232, 106.9593 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(216, 242, 255)  
}
```

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, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.1210, 85.3232, 106.9593 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, 242, 255) }
```


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

```
.border{ border-color:rgb(216, 242, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(216, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1210, 85.3232, 106.9593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 242, 255) }
```

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

```
.background{ background-color: rgb(216,  
242, 255) }
```

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](#).

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