

Converting Colors

XYZ(78.8315, 83.8705,
124.2937)

Have a look what the booklet for
XYZ(78.8315, 83.8705, 124.2937)
contains.

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Color

**XYZ(75.4948, 82.6546,
106.5827)**

Conversions

Conversions Part 1

Format	Color
Hex	D2EFFF
RGB	210, 239, 255
RGB Percent	82%, 94%, 100%
CMY	0.1765, 0.0627, 0.0000
CMYK	0.18, 0.06, 0.00, 0.00
HSL	201°, 100%, 91%
HSV	201°, 18%, 100%
XYZ	75.4948, 82.6546, 106.5827
YIQ	232.1530, -22.4200, -1.1720

Conversions

Conversions Part 2

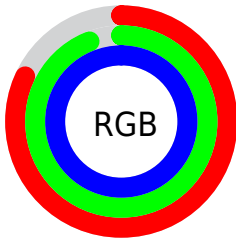
Format	Color
R _Y B	210, 228, 255
Decimal	13823999
CIE Lab	92.86, -6.19, -10.89
CIE LCh	93, 12.521, 240.397
Yxy	82.6546, 0.2852, 0.3122
Android (android.graphics.Color)	4292014079 (0xFFD2EFFF)
YUV	232.1530, 11.2636, -19.4282
Hunter-Lab	90.9146, -10.8754, -5.8678

Details

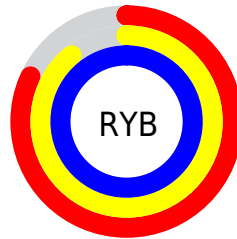
The XYZ color **75.4948, 82.6546, 106.5827** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0688, 80.3046, 72.2546**, and the grayscale version is **76.7484, 80.7453, 87.9317**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.6441, 44.9128, 59.9529** is the 20% darker color. If you saturate the color by 10%, you get **66.2180, 74.0331, 105.4075**, and if you desaturate by 10%, it is **86.0658, 92.1452, 107.8574**.

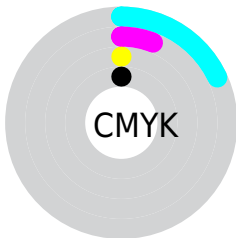
Distribution



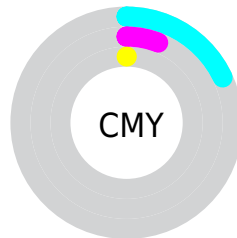
- Red (82%)
- Green (94%)
- Blue (100%)



- Red (82%)
- Yellow (89%)
- Blue (100%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (18%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4948, 82.6546, 106.5827 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 75.4948, 82.6546, 106.5827 by changing the saturation by 10% instead.

75.4948, 82.6546,
106.5827

75.4948, 82.6546,
106.5827

468.5876,
503.8347, 602.5235

56.3139, 61.9053,
81.1619

125.9967,
137.0916, 172.3048

40.6927, 44.9561,
60.1431

158.0484,
171.5480, 213.4431

28.2656, 31.4229,
43.1080

195.1212,
211.3423, 260.6577

18.6675, 20.9211,
29.6378

237.5803,
256.8588, 314.3671

11.5328, 13.0663,
19.3141

285.7912,
308.4818, 374.9899

6.4963, 7.4742,
11.7184

340.1191,

3.1927, 3.7604,

366.5959, 442.9445

6.4320

400.9294,
431.5854, 518.6495

■ 1.2565, 1.5405,
3.0365

■ 0.1503, 0.3170,
1.1133

■ 75.4948, 82.6546,
106.5827

■ 75.4948, 82.6546,
106.5827

■ 66.2180, 74.0331,
105.4075

■ 86.0658, 92.1452,
107.8574

■ 58.1723, 66.2387,
104.3271

95.0500, 100.0000,
108.9000

■ 51.2989, 59.2405,
103.3386

■ 45.5310, 53.0010,
102.4382

■ 40.7949, 47.4791,
101.6220

■ 37.0068, 42.6286,
100.8854

■ 34.0684, 38.3954,
100.2232

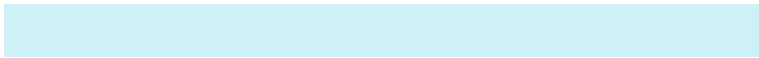
■ 31.8506, 34.7097,
99.6287

■ 31.3893, 33.8987,
99.4964

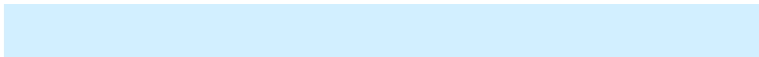
Harmonies

Analogous

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



73.2601, 82.6546, 99.4212



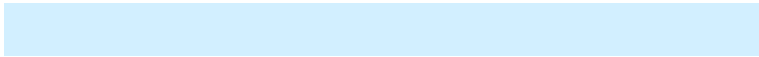
75.4948, 82.6546, 106.5827



78.6043, 82.6546, 109.2356

Triad

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



75.4948, 82.6546, 106.5827



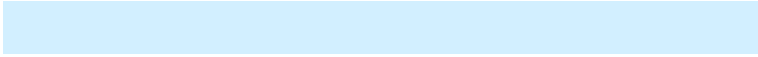
85.0188, 82.6546, 89.8722



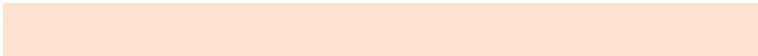
75.4214, 82.6546, 75.3383

Complementary

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



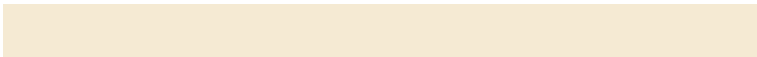
75.4948, 82.6546, 106.5827



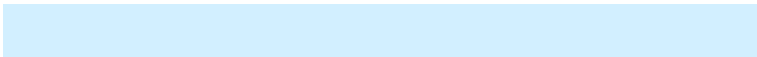
80.0688, 80.3046, 72.2546

Split Complementary

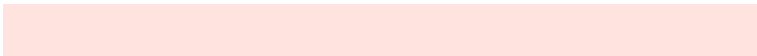
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.5172, 82.6546, 73.1609



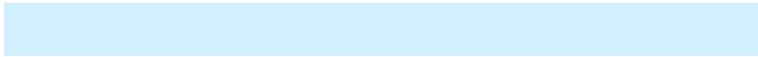
75.4948, 82.6546, 106.5827



84.1110, 82.6546, 81.1877

Square

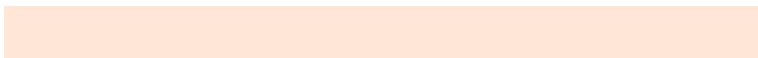
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



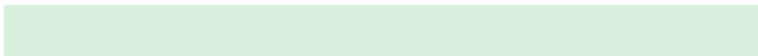
75.4948, 82.6546, 106.5827



84.1566, 82.6546, 99.1906



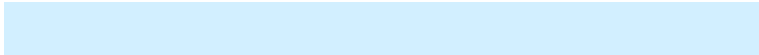
81.7085, 82.6546, 75.2275



73.2186, 82.6546, 81.3895

Rectangle

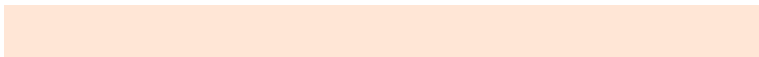
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4948, 82.6546, 106.5827



80.7730, 82.6546, 107.9562



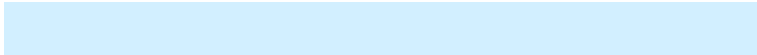
81.7085, 82.6546, 75.2275



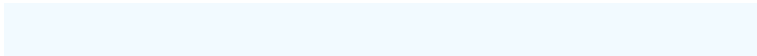
76.3892, 82.6546, 74.1486

Sweetspot

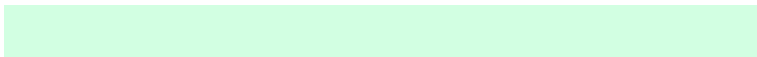
The Sweet Spot groups the original color and five complimentary colors.



75.4970, 82.6579, 106.5832



89.0850, 94.8038, 108.2114



76.0324, 90.6994, 85.2723



18.8943, 20.1395, 23.1414



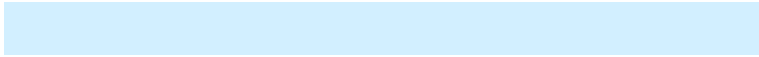
0.0000, 0.0000, 0.0000



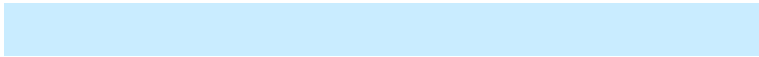
20.3446, 21.4041, 23.3091

Same Dimension

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



75.4970, 82.6579, 106.5832



72.2439, 79.6706, 106.1781



69.3780, 70.4200, 104.5435



17.9798, 19.3312, 23.0336



16.5477, 18.0049, 52.0377



1.7143, 1.9594, 5.1011

Inverse Universe

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



79.8679, 73.5867, 91.6593



77.3669, 69.2975, 88.6282



86.5176, 93.2021, 74.4042



18.5025, 18.1843, 21.2631



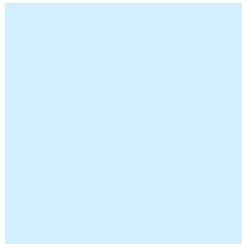
25.1407, 12.5456, 19.9232



2.4999, 1.2423, 2.2140

Previews

White Background



This preview shows how the XYZ color 75.4948, 82.6546, 106.5827 looks on a white background.

Color Contrast Check

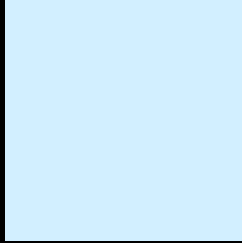
Large Text (above 18pt) WCAG AA × Fail

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 75.4948, 82.6546, 106.5827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

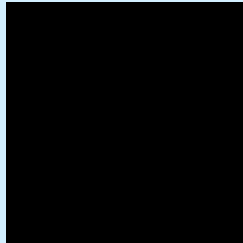
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

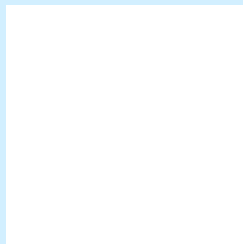
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.4948, 82.6546, 106.5827

Background



This preview shows how black text looks on a background with the XYZ color 75.4948, 82.6546, 106.5827.



This preview shows how white text looks on a background with the XYZ color 75.4948, 82.6546,

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

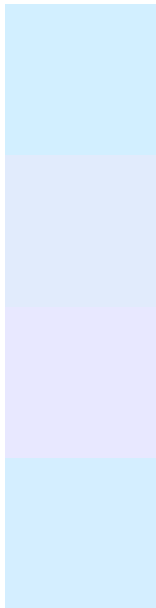




Tritanopia

76.0651, 82.5152, 106.5257

Trichromacy



Original Color

75.4948, 82.6546, 106.5827

Protanomaly

78.3304, 82.4525, 103.8819

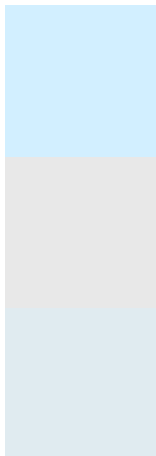
Deuteranomaly

80.1853, 82.0890, 106.2263

Tritanomaly

75.7759, 82.3661, 106.5122

Monochromacy



Original Color

75.4948, 82.6546, 106.5827

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.1770, 81.5552, 94.1649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.4948, 82.6546, 106.5827 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(210, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(210, 239, 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(210, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.4948, 82.6546, 106.5827 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(210, 239, 255) }
```


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

```
.border{ border-color:rgb(210, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(210, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(210, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.4948, 82.6546, 106.5827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 239, 255) }
```

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

```
.background{ background-color: rgb(210,  
239, 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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