

Converting Colors

XYZ(83.8131, 83.5633,
148.1569)

Have a look what the booklet for
XYZ(83.8131, 83.5633, 148.1569)
contains.

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Color

**XYZ(75.8042, 80.2495,
106.1021)**

Conversions

Conversions Part 1

Format	Color
Hex	D9E9FF
RGB	217, 233, 255
RGB Percent	85%, 91%, 100%
CMY	0.1490, 0.0863, 0.0000
CMYK	0.15, 0.09, 0.00, 0.00
HSL	215°, 100%, 93%
HSV	215°, 15%, 100%
XYZ	75.8042, 80.2495, 106.1021
YIQ	230.7240, -16.5980, 3.4500

Conversions

Conversions Part 2

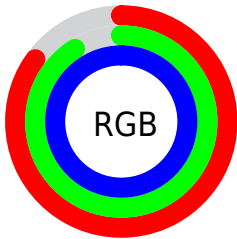
Format	Color
R_{YB}	217, 228, 255
Decimal	14281215
CIE _{Lab}	91.80, -0.96, -12.43
CIE _{LCh}	92, 12.463, 265.594
Yxy	80.2495, 0.2892, 0.3061
Android (android.graphics.Color)	4292471295 (0xFFD9E9FF)
YUV	230.7240, 11.9681, -12.0359
Hunter-Lab	89.5821, -5.7223, -7.5163

Details

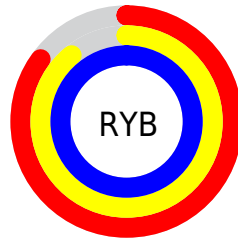
The XYZ color **75.8042, 80.2495, 106.1021** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.6305, 88.0015, 78.1729**, and the grayscale version is **75.6751, 79.6160, 86.7019**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8155, 43.2029, 59.6139** is the 20% darker color. If you saturate the color by 10%, you get **64.7972, 68.6311, 104.4397**, and if you desaturate by 10%, it is **88.3361, 93.1772, 107.9369**.

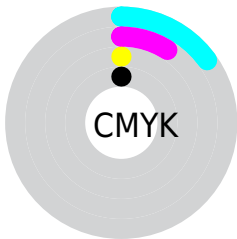
Distribution



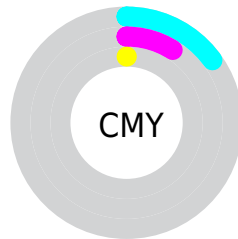
- Red (85%)
- Green (91%)
- Blue (100%)



- Red (85%)
- Yellow (89%)
- Blue (100%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8042, 80.2495, 106.1021 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 75.8042, 80.2495, 106.1021 by changing the saturation by 10% instead.

75.8042, 80.2495,
106.1021

75.8042, 80.2495,
106.1021

469.6319,
495.7733, 600.9974

56.5685, 59.9237,
80.7612

126.4319,
133.7165, 171.6426

40.8977, 43.3571,
59.8151

158.5546,
167.6264, 212.6793

28.4264, 30.1654,
42.8453

195.7037,
206.8332, 259.7850

18.7895, 19.9642,
29.4332

238.2445,
251.7212, 313.3783

11.6213, 12.3690,
19.1604

286.5423,
302.6748, 373.8776

6.5568, 6.9955,
11.6083

340.9626,

3.2303, 3.4593,

360.0784, 441.7015

6.3582

401.8707,
424.3164, 517.2686

■ 1.2767, 1.3760,
2.9918

■ 0.1657, 0.1989,
1.0905

■ 75.8042, 80.2495,
106.1021

■ 75.8042, 80.2495,
106.1021

■ 64.7972, 68.6311,
104.4397

■ 88.3361, 93.1772,
107.9369

■ 55.2467, 58.2677,
102.9427

95.0500, 100.0000,
108.9000

■ 47.0880, 49.1151,
101.6061

■ 40.2492, 41.1222,
100.4238

■ 34.6509, 34.2341,
99.3893

■ 30.2045, 28.3901,
98.4956

■ 26.8080, 23.5217,
97.7349

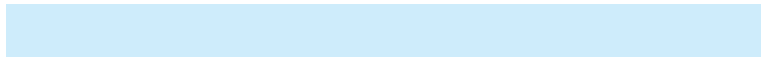
■ 24.3374, 19.5484,
97.0982

■ 23.3486, 17.8172,
96.8162

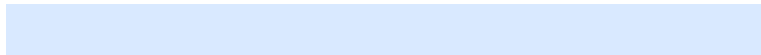
Harmonies

Analogous

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



72.8589, 80.2495, 102.6981



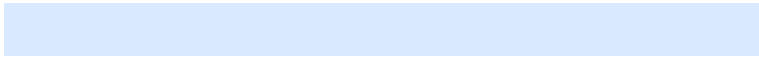
75.8042, 80.2495, 106.1021



78.9571, 80.2495, 104.2094

Triad

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



75.8042, 80.2495, 106.1021



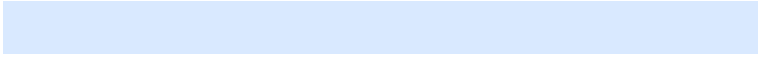
81.9452, 80.2495, 80.0023



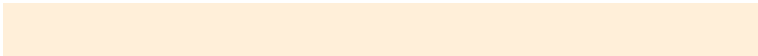
71.3220, 80.2495, 77.8171

Complementary

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



75.8042, 80.2495, 106.1021



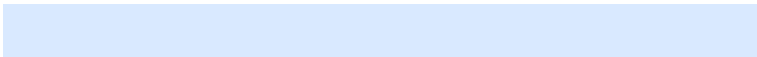
84.6305, 88.0015, 78.1729

Split Complementary

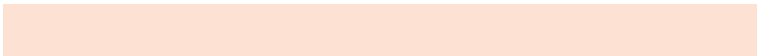
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.6539, 80.2495, 72.4642



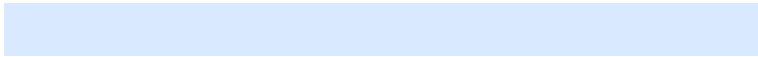
75.8042, 80.2495, 106.1021



79.7957, 80.2495, 73.6628

Square

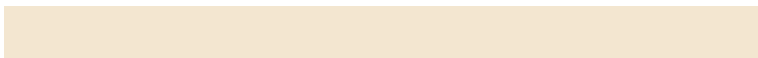
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8042, 80.2495, 106.1021



82.5595, 80.2495, 88.7354



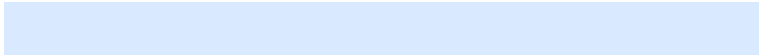
76.7472, 80.2495, 70.9976



70.3173, 80.2495, 86.0346

Rectangle

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



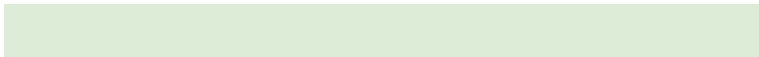
75.8042, 80.2495, 106.1021



80.7441, 80.2495, 100.2643



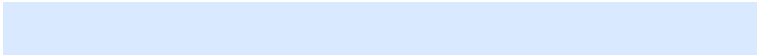
76.7472, 80.2495, 70.9976



71.9734, 80.2495, 75.6462

Sweetspot

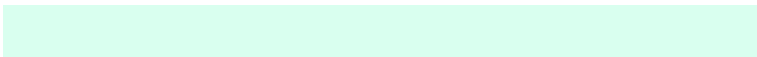
The Sweet Spot groups the original color and five complimentary colors.



75.8064, 80.2527, 106.1026



89.5417, 94.4070, 108.1108



79.8873, 92.4766, 94.9405



18.9500, 19.9870, 23.1091



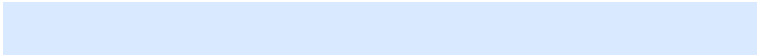
0.0000, 0.0000, 0.0000



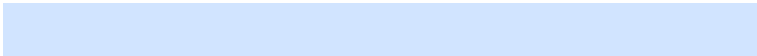
20.3446, 21.4041, 23.3091

Same Dimension

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



75.8064, 80.2527, 106.1026



72.2348, 76.5138, 105.5692



72.2384, 71.9904, 104.6959



17.6317, 18.6350, 22.9176



12.3401, 9.5898, 50.6352



1.3068, 1.1442, 4.9653

Inverse Universe

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



80.7622, 76.7705, 87.6561



78.1284, 72.5354, 83.5954



88.5989, 97.3126, 79.7610



18.3267, 18.1140, 20.3378



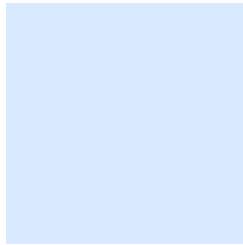
23.0169, 11.6961, 8.7396



2.2942, 1.1601, 1.1307

Previews

White Background



This preview shows how the XYZ color 75.8042, 80.2495, 106.1021 looks on a white background.

Color Contrast Check

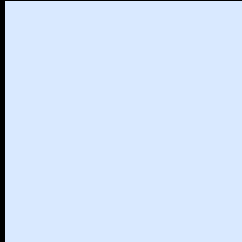
Large Text (above 18pt) WCAG AA × Fail

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 75.8042, 80.2495, 106.1021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

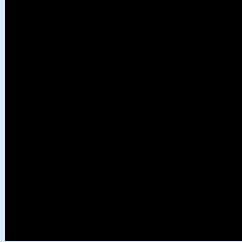
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

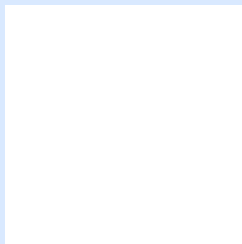
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8042, 80.2495, 106.1021

Background



This preview shows how black text looks on a background with the XYZ color 75.8042, 80.2495, 106.1021.

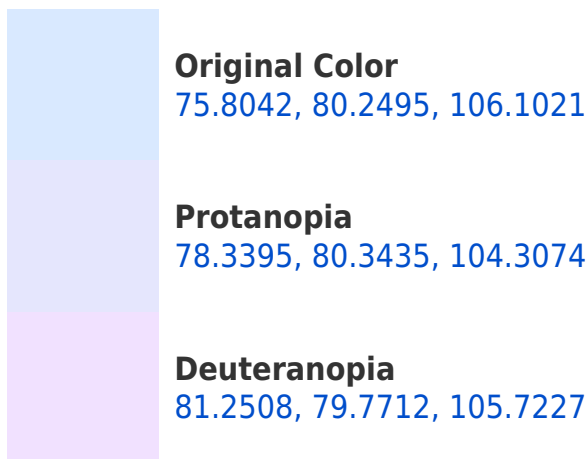


This preview shows how white text looks on a background with the XYZ color 75.8042, 80.2495,

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

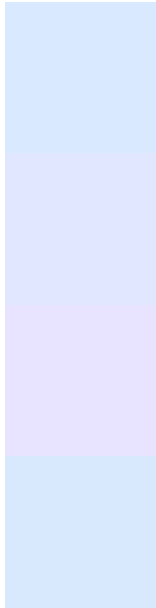




Tritanopia

75.0285, 79.9050, 103.5642

Trichromacy



Original Color

75.8042, 80.2495, 106.1021

Protanomaly

77.5166, 80.3151, 105.1827

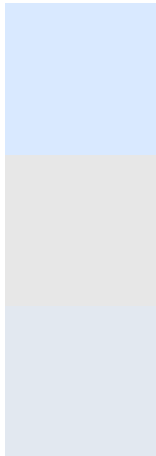
Deuteranomaly

79.0721, 79.8626, 105.8552

Tritanomaly

75.1874, 79.9686, 104.4012

Monochromacy



Original Color

75.8042, 80.2495, 106.1021

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.9488, 80.1732, 93.9101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8042, 80.2495, 106.1021 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, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(217, 233, 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(217, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 233, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.8042, 80.2495, 106.1021 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, 233, 255) }
```


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

```
.border{ border-color:rgb(217, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(217, 233,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8042, 80.2495, 106.1021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 233, 255) }
```

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

```
.background{ background-color: rgb(217,  
233, 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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