

Converting Colors

XYZ(81.8304, 84.5510,
137.1795)

Have a look what the booklet for
XYZ(81.8304, 84.5510, 137.1795)
contains.

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Color

**XYZ(75.7748, 81.9345,
106.4289)**

Conversions

Conversions Part 1

Format	Color
Hex	D5EDFF
RGB	213, 237, 255
RGB Percent	84%, 93%, 100%
CMY	0.1647, 0.0706, 0.0000
CMYK	0.16, 0.07, 0.00, 0.00
HSL	206°, 100%, 92%
HSV	206°, 16%, 100%
XYZ	75.7748, 81.9345, 106.4289
YIQ	231.8760, -20.0820, 0.5100

Conversions

Conversions Part 2

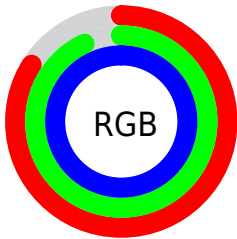
Format	Color
R _Y B	213, 228, 255
Decimal	14020095
CIE Lab	92.55, -4.25, -11.34
CIE LCh	93, 12.107, 249.465
Yxy	81.9345, 0.2869, 0.3102
Android (android.graphics.Color)	4292210175 (0xFFD5EDFF)
YUV	231.8760, 11.4001, -16.5543
Hunter-Lab	90.5177, -8.9788, -6.3496

Details

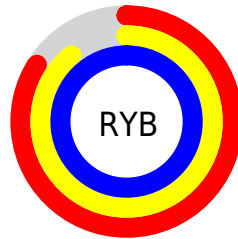
The XYZ color **75.7748, 81.9345, 106.4289** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.8259, 83.2148, 74.7020**, and the grayscale version is **76.5391, 80.5251, 87.6918**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.8175, 44.3941, 59.8437** is the 20% darker color. If you saturate the color by 10%, you get **65.8845, 72.2838, 105.0874**, and if you desaturate by 10%, it is **87.0252, 92.5768, 107.8901**.

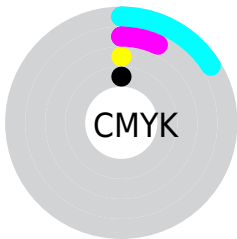
Distribution



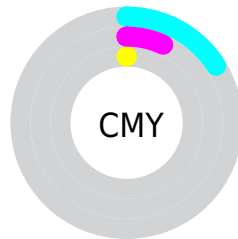
- Red (84%)
- Green (93%)
- Blue (100%)



- Red (84%)
- Yellow (89%)
- Blue (100%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.7748, 81.9345, 106.4289 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 75.7748, 81.9345, 106.4289 by changing the saturation by 10% instead.

■ 75.7748, 81.9345,
106.4289

■ 75.7748, 81.9345,
106.4289

469.5327,
501.4286, 602.0353

■ 56.5443, 61.3115,
81.0336

126.3906,
136.0821, 172.0929

■ 40.8782, 44.4766,
60.0381

158.5065,
170.3756, 213.1988

■ 28.4112, 31.0454,
43.0239

195.6484,
209.9947, 260.3785

■ 18.7779, 20.6334,
29.5723

238.1814,
255.3239, 314.0508

■ 11.6129, 12.8563,
19.2649

286.4710,
306.7474, 374.6340

■ 6.5510, 7.3297,
11.6831

340.8825,

■ 3.2267, 3.6691,

364.6498, 442.5469

6.4084

401.7813,
429.4154, 518.2078

■ 1.2748, 1.4903,
3.0222

■ 0.1642, 0.2819,
1.1060

■ 75.7748, 81.9345,
106.4289

■ 75.7748, 81.9345,
106.4289

■ 65.8845, 72.2838,
105.0874

■ 87.0252, 92.5768,
107.8901

■ 57.2901, 63.5802,
103.8604

95.0500, 100.0000,
108.9000

■ 49.9318, 55.7897,
102.7445

■ 43.7422, 48.8723,
101.7356

■ 38.6467, 42.7840,
100.8290

■ 34.5612, 37.4758,
100.0197

■ 31.3877, 32.8913,
99.3021

■ 29.0045, 28.9617,
98.6692

■ 28.2884, 27.6968,
98.4628

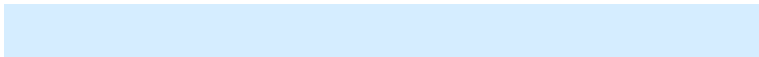
Harmonies

Analogous

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



73.3016, 81.9345, 100.6765



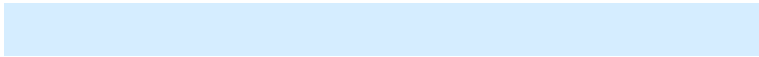
75.7748, 81.9345, 106.4289



78.8747, 81.9345, 107.4042

Triad

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



75.7748, 81.9345, 106.4289



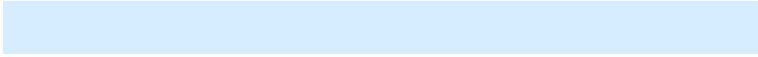
83.9931, 81.9345, 86.3957



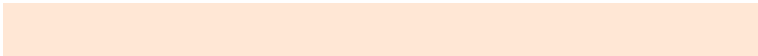
74.0965, 81.9345, 76.5024

Complementary

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



75.7748, 81.9345, 106.4289



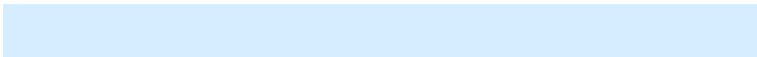
81.8259, 83.2148, 74.7020

Split Complementary

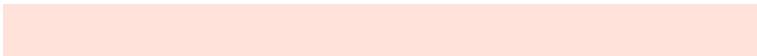
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.8863, 81.9345, 73.2009



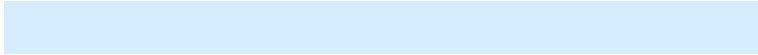
75.7748, 81.9345, 106.4289



82.6374, 81.9345, 78.6540

Square

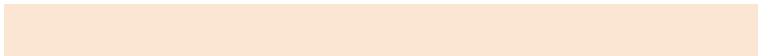
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



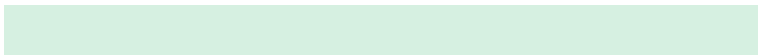
75.7748, 81.9345, 106.4289



83.6761, 81.9345, 95.4251



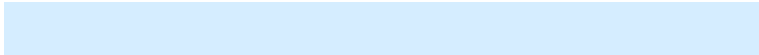
80.0163, 81.9345, 73.9611



72.3509, 81.9345, 83.2761

Rectangle

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



75.7748, 81.9345, 106.4289



80.8881, 81.9345, 105.1525



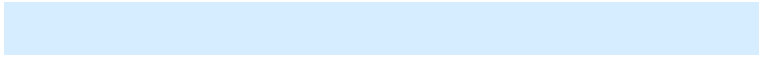
80.0163, 81.9345, 73.9611



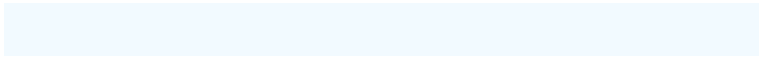
74.9402, 81.9345, 74.9712

Sweetspot

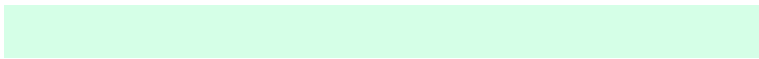
The Sweet Spot groups the original color and five complimentary colors.



75.7770, 81.9378, 106.4294



88.7957, 94.2252, 108.1150



77.5549, 91.4079, 88.7887



18.8239, 19.9988, 23.1180



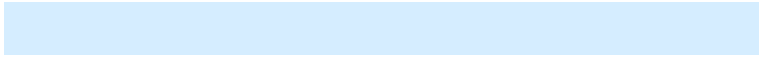
0.0000, 0.0000, 0.0000



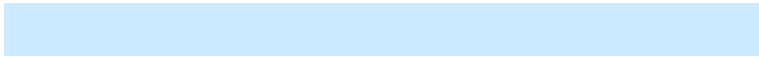
20.3446, 21.4041, 23.3091

Same Dimension

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



75.7770, 81.9378, 106.4294



72.1325, 78.4187, 105.9423



70.1762, 70.7362, 104.5625



17.8649, 19.1014, 22.9953



14.9325, 14.7746, 51.4993



1.5624, 1.6555, 5.0505

Inverse Universe

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



80.3217, 74.9646, 90.3608



77.5619, 70.3374, 86.6898



87.9042, 95.3715, 76.7281



18.4445, 18.1611, 20.9576



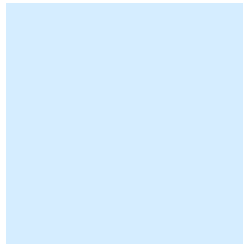
24.3254, 12.2195, 15.6301



2.4232, 1.2117, 1.8102

Previews

White Background



This preview shows how the XYZ color 75.7748, 81.9345, 106.4289 looks on a white background.

Color Contrast Check

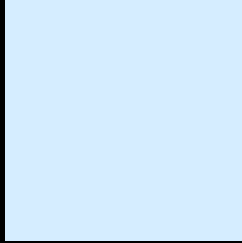
Large Text (above 18pt) WCAG AA × Fail

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 75.7748, 81.9345, 106.4289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

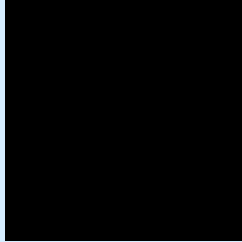
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

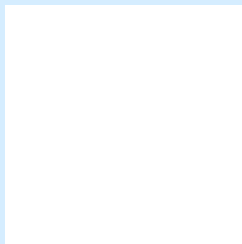
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.7748, 81.9345, 106.4289

Background



This preview shows how black text looks on a background with the XYZ color 75.7748, 81.9345, 106.4289.



This preview shows how white text looks on a background with the XYZ color 75.7748, 81.9345,

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

75.7748, 81.9345, 106.4289

Protanopia

79.7060, 81.8973, 103.7023

Deuteranopia

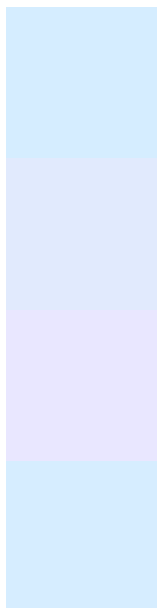
82.8273, 81.3913, 105.9524



Tritanopia

76.0657, 82.0845, 106.4425

Trichromacy



Original Color

75.7748, 81.9345, 106.4289

Protanomaly

78.2038, 81.9450, 104.6237

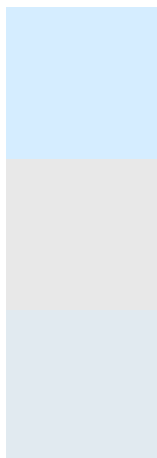
Deuteranomaly

80.2302, 81.6955, 106.1480

Tritanomaly

76.0657, 82.0845, 106.4425

Monochromacy



Original Color

75.7748, 81.9345, 106.4289

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.2023, 81.1445, 94.0842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.7748, 81.9345, 106.4289 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(213, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 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(213, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 75.7748, 81.9345, 106.4289 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(213, 237, 255) }
```


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

```
.border{ border-color:rgb(213, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 75.7748, 81.9345, 106.4289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 237, 255) }
```

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

```
.background{ background-color: rgb(213,  
237, 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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