

Converting Colors

XYZ(76.8541, 84.6707,
106.9002)

Have a look what the booklet for
XYZ(76.8541, 84.6707, 106.9002)
contains.

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Color

**XYZ(76.9535, 84.7213,
106.9047)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D4F2FF |
| RGB | 212, 242, 255 |
| RGB Percent | 83%, 95%, 100% |
| CMY | 0.1686, 0.0510, 0.0000 |
| CMYK | 0.17, 0.05, 0.00, 0.00 |
| HSL | 198°, 100%, 92% |
| HSV | 198°, 17%, 100% |
| XYZ | 76.9535, 84.7213, 106.9047 |
| YIQ | 234.5120, -22.0530, -2.3170 |

Conversions

Conversions Part 2

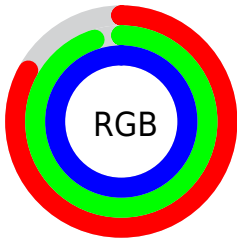
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 212, 230, 255 |
| Decimal | 13955839 |
| CIE Lab | 93.76, -7.10, -9.53 |
| CIE LCh | 94, 11.889, 233.325 |
| Yxy | 84.7213, 0.2865, 0.3154 |
| Android (android.graphics.Color) | 4292145919 (0xFFD4F2FF) |
| YUV | 234.5120, 10.1006, -19.7430 |
| Hunter-Lab | 92.0442, -11.8424, -4.4314 |

Details

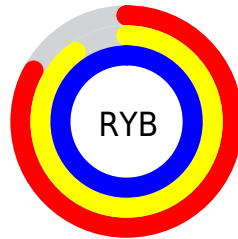
The XYZ color **76.9535, 84.7213, 106.9047** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.0485, 79.8627, 73.4850**, and the grayscale version is **78.5344, 82.6243, 89.9779**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6566, 46.3631, 60.1795** is the 20% darker color. If you saturate the color by 10%, you get **67.9298, 76.7378, 105.8393**, and if you desaturate by 10%, it is **87.2392, 93.5034, 108.0577**.

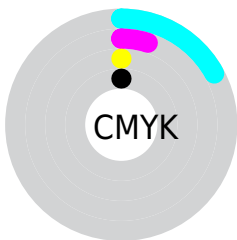
Distribution



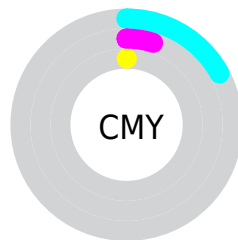
- Red (83%)
- Green (95%)
- Blue (100%)



- Red (83%)
- Yellow (90%)
- Blue (100%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9535, 84.7213, 106.9047 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 76.9535, 84.7213, 106.9047 by changing the saturation by 10% instead.

76.9535, 84.7213,
106.9047

76.9535, 84.7213,
106.9047

473.4998,
510.7054, 603.5449

57.5145, 63.6111,
81.4304

128.0470,
139.9837, 172.7483

41.6602, 46.3358,
60.3631

160.4323,
174.9048, 213.9546

29.0253, 32.5109,
43.2841

197.8636,
215.1982, 261.2421

19.2443, 21.7520,
29.7751

240.7065,
261.2485, 315.0292

11.9520, 13.6748,
19.4173

289.3262,
313.4399, 375.7345

6.7830, 7.8948,
11.7924

344.0881,

3.3719, 4.0277,

372.1570, 443.7765

6.4816

405.3575,
437.7840, 519.5738

■ 1.3533, 1.6891,
3.0666

■ 0.2226, 0.4166,
1.1287

■ 76.9535, 84.7213,
106.9047

■ 76.9535, 84.7213,
106.9047

■ 67.9298, 76.7378,
105.8393

■ 87.2392, 93.5034,
108.0577

■ 60.1059, 69.5123,
104.8570

95.0500, 100.0000,
108.9000

■ 53.4242, 63.0156,
103.9552

■ 47.8192, 57.2122,
103.1305

■ 43.2187, 52.0629,
102.3790

■ 39.5406, 47.5236,
101.6967

■ 36.6890, 43.5428,
101.0786

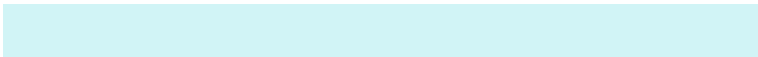
■ 34.5424, 40.0560,
100.5188

■ 33.9569, 39.0339,
100.3523

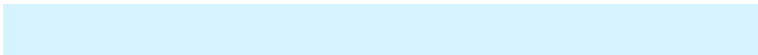
Harmonies

Analogous

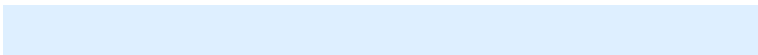
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0784, 84.7213, 99.3031



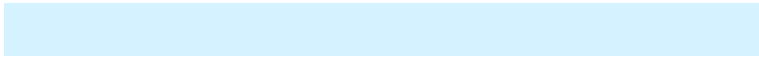
76.9535, 84.7213, 106.9047



79.8215, 84.7213, 110.6140

Triad

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



76.9535, 84.7213, 106.9047



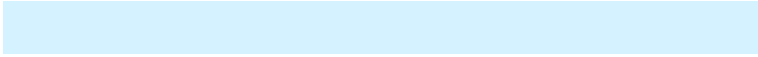
86.7060, 84.7213, 94.2828



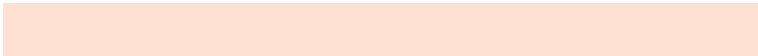
78.1454, 84.7213, 77.1861

Complementary

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



76.9535, 84.7213, 106.9047



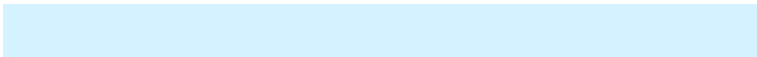
80.0485, 79.8627, 73.4850

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.



81.2328, 84.7213, 76.0349



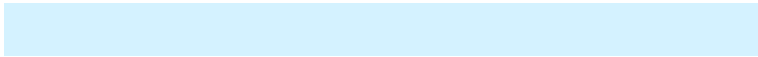
76.9535, 84.7213, 106.9047



86.2289, 84.7213, 85.5335

Square

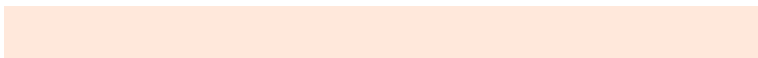
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9535, 84.7213, 106.9047



85.4924, 84.7213, 103.0253



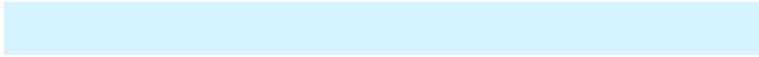
84.2054, 84.7213, 78.9945



75.7539, 84.7213, 82.2481

Rectangle

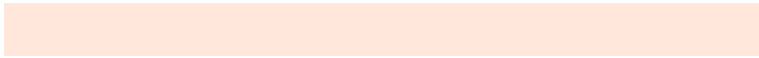
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9535, 84.7213, 106.9047



81.9322, 84.7213, 110.2193



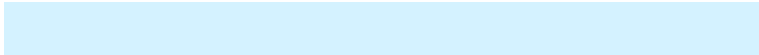
84.2054, 84.7213, 78.9945



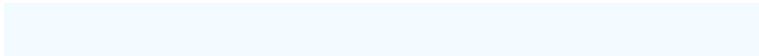
79.1341, 84.7213, 76.3432

Sweetspot

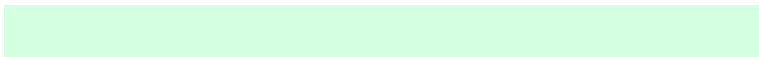
The Sweet Spot groups the original color and five complimentary colors.



76.9557, 84.7247, 106.9052



89.2968, 95.2275, 108.2820



76.4893, 90.9483, 84.6873



18.9458, 20.2426, 23.1586



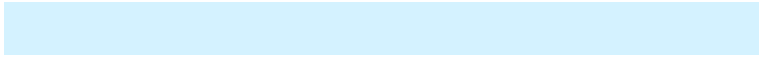
0.0000, 0.0000, 0.0000



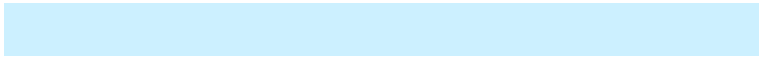
20.3446, 21.4041, 23.3091

Same Dimension

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



76.9557, 84.7247, 106.9052



73.9903, 82.1343, 106.5615



70.9536, 72.7204, 104.9045



18.0643, 19.5002, 23.0618



17.8807, 20.6710, 52.4821



1.8371, 2.2049, 5.1420

Inverse Universe

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



80.8119, 74.7593, 94.1791



78.4997, 70.7125, 91.6279



86.2017, 92.1690, 75.5361



18.5451, 18.2014, 21.4876



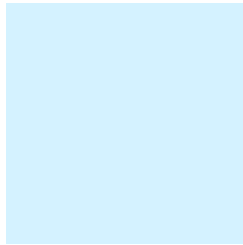
25.8135, 12.8147, 23.4664



2.5619, 1.2671, 2.5403

Previews

White Background



This preview shows how the XYZ color 76.9535, 84.7213, 106.9047 looks on a white background.

Color Contrast Check

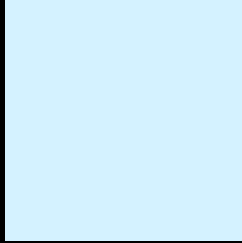
Large Text (above 18pt) WCAG AA × Fail

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 76.9535, 84.7213, 106.9047 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 76.9535, 84.7213, 106.9047

Background



This preview shows how black text looks on a background with the XYZ color 76.9535, 84.7213, 106.9047.



This preview shows how white text looks on a background with the XYZ color 76.9535, 84.7213,

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

76.9535, 84.7213, 106.9047

Protanopia

82.0460, 84.3862, 103.2307

Deuteranopia

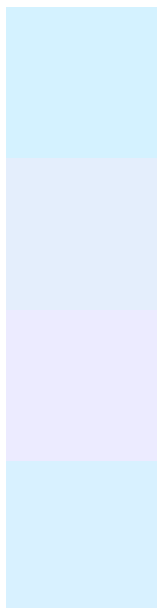
85.6928, 84.5116, 106.4036



Tritanopia

78.4235, 84.6002, 106.8039

Trichromacy



Original Color

76.9535, 84.7213, 106.9047

Protanomaly

80.1401, 84.6713, 104.2148

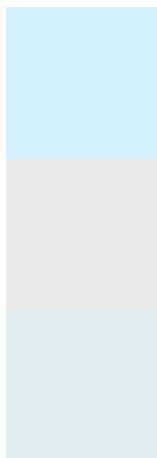
Deuteranomaly

82.3504, 84.4695, 106.5717

Tritanomaly

77.8242, 84.7295, 106.8604

Monochromacy



Original Color

76.9535, 84.7213, 106.9047

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.2801, 83.8908, 96.0711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9535, 84.7213, 106.9047 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(212, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 76.9535, 84.7213, 106.9047 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(212, 242, 255) }
```


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

```
.border{ border-color:rgb(212, 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(212, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(212, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9535, 84.7213, 106.9047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 242, 255) }
```

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

```
.background{ background-color: rgb(212,  
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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