

Converting Colors

XYZ(84.1421, 87.8201,
143.0125)

Have a look what the booklet for
XYZ(84.1421, 87.8201, 143.0125)
contains.

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Color

**XYZ(77.2427, 84.8704,
106.9182)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F2FF
RGB	213, 242, 255
RGB Percent	84%, 95%, 100%
CMY	0.1647, 0.0510, 0.0000
CMYK	0.16, 0.05, 0.00, 0.00
HSL	199°, 100%, 92%
HSV	199°, 16%, 100%
XYZ	77.2427, 84.8704, 106.9182
YIQ	234.8110, -21.4570, -2.1050

Conversions

Conversions Part 2

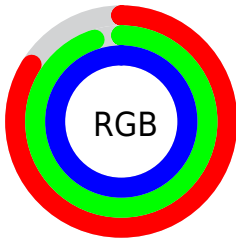
Format	Color
R _{YB}	213, 230, 255
Decimal	14021375
CIE Lab	93.83, -6.80, -9.43
CIE LCh	94, 11.625, 234.231
Yxy	84.8704, 0.2871, 0.3155
Android (android.graphics.Color)	4292211455 (0xFFD5F2FF)
YUV	234.8110, 9.9532, -19.1282
Hunter-Lab	92.1251, -11.5549, -4.3229

Details

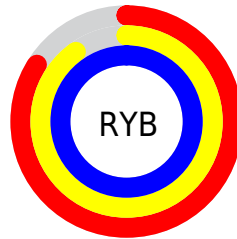
The XYZ color **77.2427, 84.8704, 106.9182** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **80.4462, 80.4555, 74.2420**, and the grayscale version is **78.7622, 82.8640, 90.2389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8525, 46.4641, 60.1887** is the 20% darker color. If you saturate the color by 10%, you get **68.1222, 76.7593, 105.8334**, and if you desaturate by 10%, it is **87.6320, 93.7904, 108.0924**.

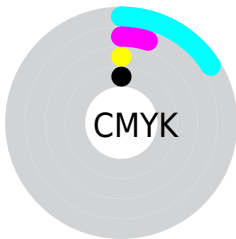
Distribution



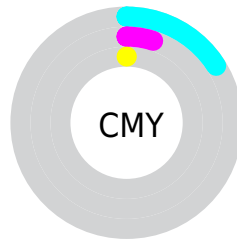
- Red (84%)
- Green (95%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2427, 84.8704, 106.9182 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 77.2427, 84.8704, 106.9182 by changing the saturation by 10% instead.

■ 77.2427, 84.8704,
106.9182

■ 77.2427, 84.8704,
106.9182

474.4704,
511.1991, 603.5877

■ 57.7527, 63.7343,
81.4417

128.4530,
140.1921, 172.7669

■ 41.8524, 46.4355,
60.3723

160.9041,
175.1465, 213.9761

■ 29.1763, 32.5896,
43.2915

198.4062,
215.4757, 261.2666

■ 19.3592, 21.8123,
29.7808

241.3248,
261.5643, 315.0569

■ 12.0356, 13.7190,
19.4216

290.0251,
313.7965, 375.7657

■ 6.8403, 7.9255,
11.7955

344.8726,

■ 3.4079, 4.0473,

372.5568, 443.8114

6.4837

406.2326,
438.2295, 519.6125

■ 1.3730, 1.7001,
3.0679

■ 0.2368, 0.4237,
1.1294

■ 77.2427, 84.8704,
106.9182

■ 77.2427, 84.8704,
106.9182

■ 68.1222, 76.7593,
105.8334

■ 87.6320, 93.7904,
108.0924

■ 60.2083, 69.4166,
104.8332

95.0500, 100.0000,
108.9000

■ 53.4434, 62.8128,
103.9151

■ 47.7623, 56.9125,
103.0756

■ 43.0928, 51.6764,
102.3110

■ 39.3535, 47.0604,
101.6172

■ 36.4487, 43.0133,
100.9891

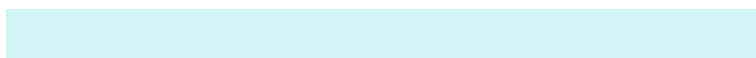
■ 34.2594, 39.4715,
100.4208

■ 33.5945, 38.3090,
100.2315

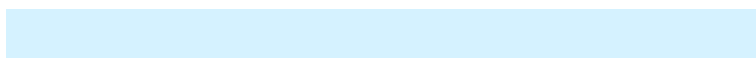
Harmonies

Analogous

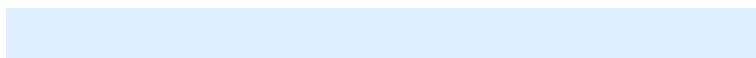
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3680, 84.8704, 99.5721



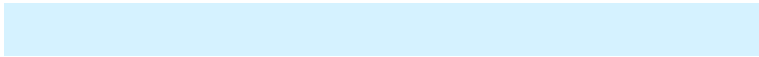
77.2427, 84.8704, 106.9182



80.0709, 84.8704, 110.3984

Triad

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



77.2427, 84.8704, 106.9182



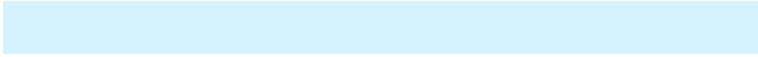
86.7251, 84.8704, 94.1309



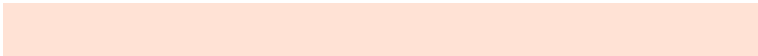
78.2523, 84.8704, 77.7418

Complementary

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



77.2427, 84.8704, 106.9182



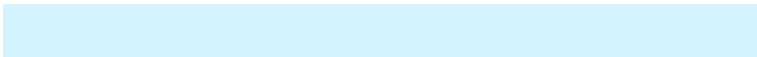
80.4462, 80.4555, 74.2420

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.



81.2656, 84.8704, 76.4892



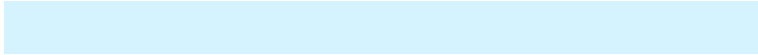
77.2427, 84.8704, 106.9182



86.2083, 84.8704, 85.5988

Square

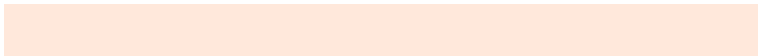
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.2427, 84.8704, 106.9182



85.5853, 84.8704, 102.7191



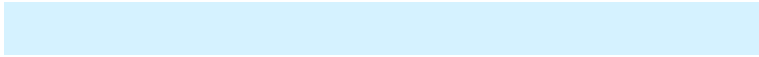
84.1906, 84.8704, 79.2764



75.9403, 84.8704, 82.8138

Rectangle

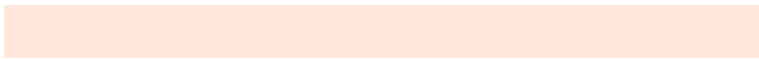
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.2427, 84.8704, 106.9182



82.1365, 84.8704, 109.9081



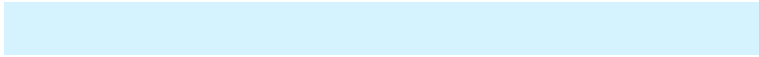
84.1906, 84.8704, 79.2764



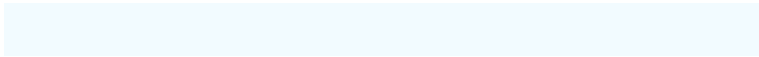
79.2147, 84.8704, 76.8742

Sweetspot

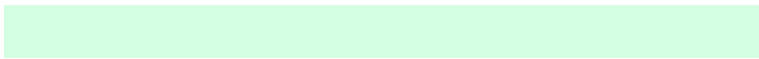
The Sweet Spot groups the original color and five complimentary colors.



77.2449, 84.8738, 106.9188



89.2682, 95.1702, 108.2725



76.8742, 91.1357, 85.2046



18.9388, 20.2286, 23.1563



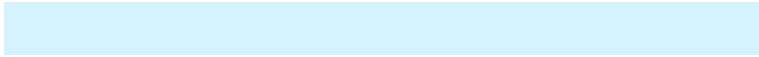
0.0000, 0.0000, 0.0000



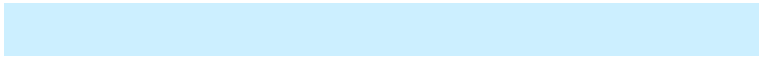
20.3446, 21.4041, 23.3091

Same Dimension

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



77.2449, 84.8738, 106.9188



73.8827, 81.9190, 106.5257



71.4540, 73.2920, 104.9885



18.0528, 19.4773, 23.0580



17.6927, 20.2950, 52.4194



1.8199, 2.1705, 5.1363

Inverse Universe

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



81.0627, 75.2609, 94.2627



78.4453, 70.6907, 91.3417



86.3893, 92.3417, 76.2230



18.5393, 18.1990, 21.4572



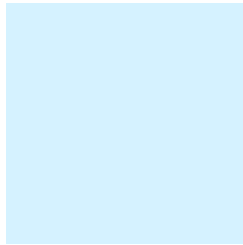
25.7187, 12.7768, 22.9667



2.5532, 1.2637, 2.4946

Previews

White Background



This preview shows how the XYZ color 77.2427, 84.8704, 106.9182 looks on a white background.

Color Contrast Check

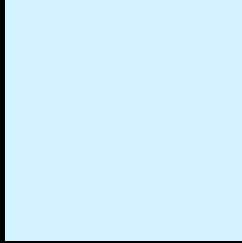
Large Text (above 18pt) WCAG AA × Fail

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 77.2427, 84.8704, 106.9182 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

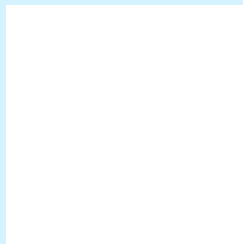
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 77.2427, 84.8704, 106.9182

Background



This preview shows how black text looks on a background with the XYZ color 77.2427, 84.8704, 106.9182.

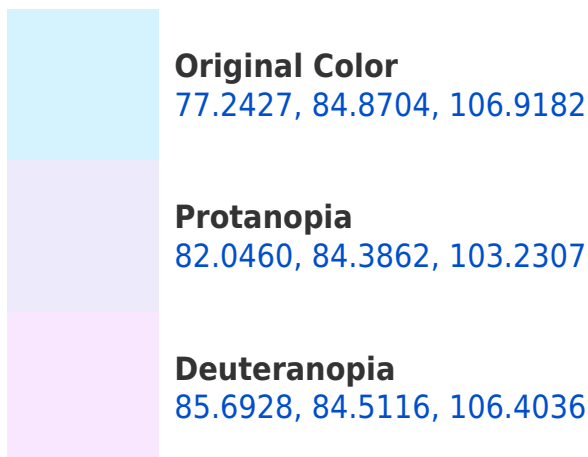


This preview shows how white text looks on a background with the XYZ color 77.2427, 84.8704,

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

78.7253, 84.7558, 106.8180

Trichromacy



Original Color

77.2427, 84.8704, 106.9182

Protanomaly

80.1401, 84.6713, 104.2148

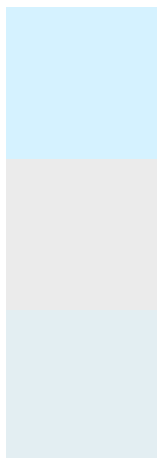
Deuteranomaly

82.3504, 84.4695, 106.5717

Tritanomaly

78.1206, 84.8823, 106.8743

Monochromacy



Original Color

77.2427, 84.8704, 106.9182

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 77.2427, 84.8704, 106.9182 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, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.2427, 84.8704, 106.9182 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, 242, 255) }
```


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

```
.border{ border-color:rgb(213, 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(213, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2427, 84.8704, 106.9182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 242, 255) }
```

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

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