

Converting Colors

XYZ(114.2562, 100.0000,
294.2329)

Have a look what the booklet for
XYZ(114.2562, 100.0000, 294.2329)
contains.

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Color

**XYZ(78.7156, 85.6297,
106.9872)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF2FF
RGB	218, 242, 255
RGB Percent	85%, 95%, 100%
CMY	0.1451, 0.0510, 0.0000
CMYK	0.15, 0.05, 0.00, 0.00
HSL	201°, 100%, 93%
HSV	201°, 15%, 100%
XYZ	78.7156, 85.6297, 106.9872
YIQ	236.3060, -18.4770, -1.0450

Conversions

Conversions Part 2

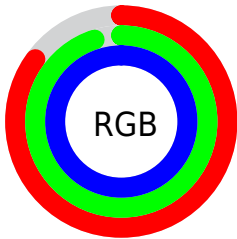
Format	Color
R _Y B	218, 233, 255
Decimal	14349055
CIE Lab	94.15, -5.26, -8.91
CIE LCh	94, 10.346, 239.472
Yxy	85.6297, 0.2901, 0.3156
Android (android.graphics.Color)	4292539135 (0xFFDAF2FF)
YUV	236.3060, 9.2161, -16.0544
Hunter-Lab	92.5363, -10.0983, -3.7736

Details

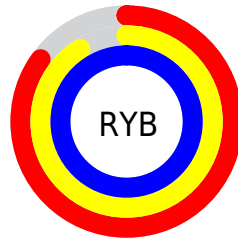
The XYZ color **78.7156, 85.6297, 106.9872** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.4704, 83.4724, 78.0965**, and the grayscale version is **79.9069, 84.0683, 91.5503**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.8562, 46.9816, 60.2357** is the 20% darker color. If you saturate the color by 10%, you get **69.0684, 76.7976, 105.7909**, and if you desaturate by 10%, it is **89.6710, 95.3346, 108.2830**.

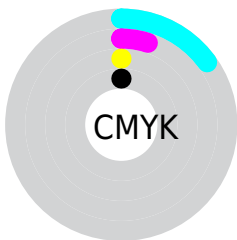
Distribution



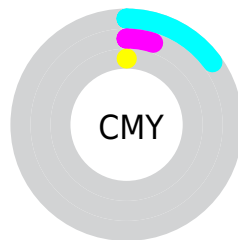
- Red (85%)
- Green (95%)
- Blue (100%)



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



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.7156, 85.6297, 106.9872 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 78.7156, 85.6297, 106.9872 by changing the saturation by 10% instead.

■ 78.7156, 85.6297,
106.9872

■ 78.7156, 85.6297,
106.9872

479.3964,
513.7094, 603.8064

■ 58.9668, 64.3618,
81.4992

130.5184,
141.2526, 172.8619

■ 42.8327, 46.9438,
60.4194

163.3032,
176.3765, 214.0856

■ 29.9478, 32.9912,
43.3293

201.1641,
216.8877, 261.3917

■ 19.9469, 22.1197,
29.8103

244.4663,
263.1708, 315.1988

■ 12.4645, 13.9449,
19.4438

293.5753,
315.6101, 375.9252

■ 7.1353, 8.0823,
11.8113

348.8564,

■ 3.5939, 4.1477,

374.5901, 443.9896

6.4944

410.6750,
440.4950, 519.8105

■ 1.4751, 1.7565,
3.0743

■ 0.3088, 0.4599,
1.1327

■ 78.7156, 85.6297,
106.9872

■ 78.7156, 85.6297,
106.9872

■ 69.0684, 76.7976,
105.7909

■ 89.6710, 95.3346,
108.2830

■ 60.6673, 68.7966,
104.6893

95.0500, 100.0000,
108.9000

■ 53.4552, 61.5969,
103.6797

■ 47.3673, 55.1621,
102.7586

■ 42.3324, 49.4527,
101.9219

■ 38.2703, 44.4242,
101.1654

■ 35.0881, 40.0257,
100.4841

■ 32.6722, 36.1954,
99.8722

■ 31.5837, 34.2875,
99.5612

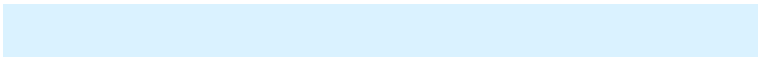
Harmonies

Analogous

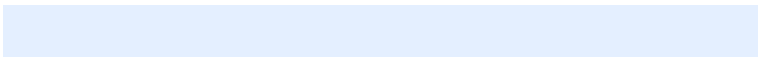
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.8437, 85.6297, 100.9358



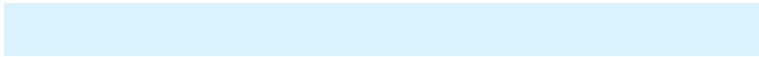
78.7156, 85.6297, 106.9872



81.3394, 85.6297, 109.3184

Triad

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



78.7156, 85.6297, 106.9872



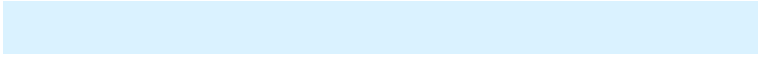
86.8256, 85.6297, 93.3768



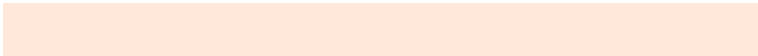
78.7987, 85.6297, 80.5894

Complementary

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



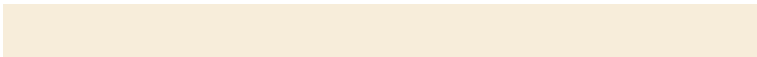
78.7156, 85.6297, 106.9872



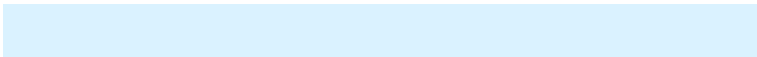
82.4704, 83.4724, 78.0965

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.



81.4375, 85.6297, 78.8141



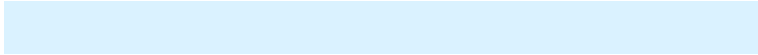
78.7156, 85.6297, 106.9872



86.1090, 85.6297, 85.9385

Square

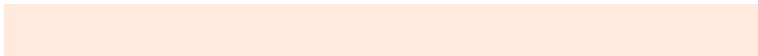
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



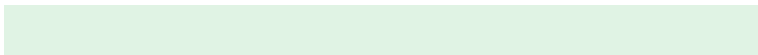
78.7156, 85.6297, 106.9872



86.0581, 85.6297, 101.1926



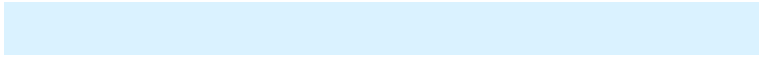
84.1212, 85.6297, 80.7170



76.8909, 85.6297, 85.7082

Rectangle

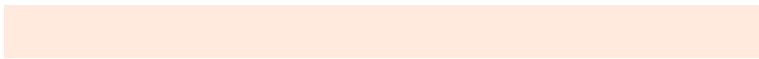
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.7156, 85.6297, 106.9872



83.1749, 85.6297, 108.3529



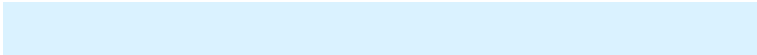
84.1212, 85.6297, 80.7170



79.6277, 85.6297, 79.5952

Sweetspot

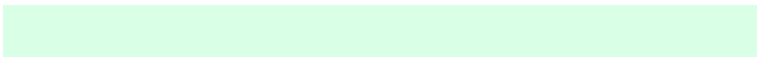
The Sweet Spot groups the original color and five complimentary colors.



78.7179, 85.6331, 106.9877



90.2642, 95.8520, 108.3516



79.0911, 92.1926, 89.1919



19.1328, 20.3527, 23.1700



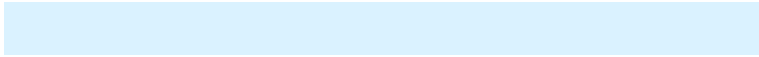
0.0000, 0.0000, 0.0000



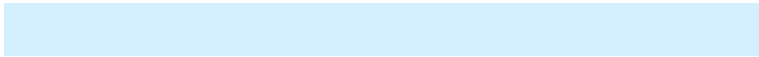
20.3446, 21.4041, 23.3091

Same Dimension

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



78.7179, 85.6331, 106.9877



76.1942, 83.3523, 106.6805



73.4996, 75.1967, 105.2483



17.9865, 19.3446, 23.0358



16.6487, 18.2070, 52.0714



1.7237, 1.9781, 5.1042

Inverse Universe

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



82.3398, 77.8152, 94.6885



80.3907, 74.4500, 92.3954



87.9103, 94.3522, 79.9098



18.5058, 18.1856, 21.2808



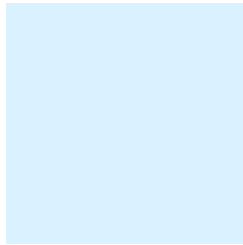
25.1917, 12.5660, 20.1918



2.5047, 1.2442, 2.2389

Previews

White Background



This preview shows how the XYZ color 78.7156, 85.6297, 106.9872 looks on a white background.

Color Contrast Check

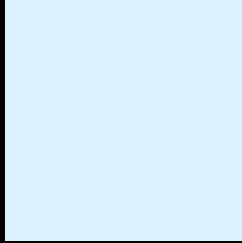
Large Text (above 18pt) WCAG AA × Fail

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 78.7156, 85.6297, 106.9872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

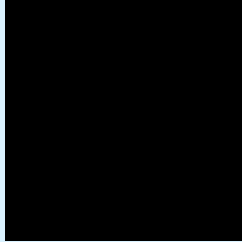
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

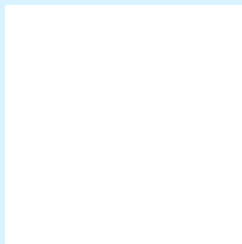
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.7156, 85.6297, 106.9872

Background



This preview shows how black text looks on a background with the XYZ color 78.7156, 85.6297, 106.9872.



This preview shows how white text looks on a background with the XYZ color 78.7156, 85.6297,

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

78.7156, 85.6297, 106.9872

Protanopia

82.8260, 85.1963, 104.1746

Deuteranopia

86.3310, 85.2572, 106.5139



Tritanopia

79.9506, 85.3875, 106.8753

Trichromacy



Original Color

78.7156, 85.6297, 106.9872

Protanomaly

81.2592, 85.2298, 105.0967

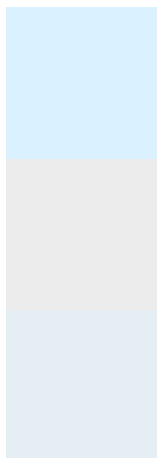
Deuteranomaly

83.3053, 85.3880, 106.6986

Tritanomaly

79.6295, 85.6602, 106.9449

Monochromacy



Original Color

78.7156, 85.6297, 106.9872

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.0653, 84.2781, 96.8941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.7156, 85.6297, 106.9872 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(218, 242, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 242, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.7156, 85.6297, 106.9872 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(218, 242, 255) }
```


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

```
.border{ border-color:rgb(218, 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(218, 242, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.7156, 85.6297, 106.9872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 255) }
```

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

```
.background{ background-color: rgb(218,  
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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