

Converting Colors

XYZ(78.4917, 84.6026,
106.8007)

Have a look what the booklet for
XYZ(78.4917, 84.6026, 106.8007)
contains.

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Color

**XYZ(78.4235, 84.6002,
106.8039)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF0FF
RGB	219, 240, 255
RGB Percent	86%, 94%, 100%
CMY	0.1412, 0.0588, 0.0000
CMYK	0.14, 0.06, 0.00, 0.00
HSL	205°, 100%, 93%
HSV	205°, 14%, 100%
XYZ	78.4235, 84.6002, 106.8039
YIQ	235.4310, -17.3310, 0.2130

Conversions

Conversions Part 2

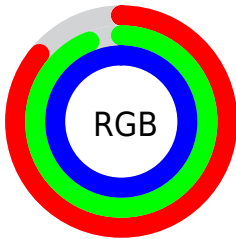
Format	Color
R _Y B	219, 232, 255
Decimal	14414079
CIE Lab	93.71, -3.93, -9.56
CIE LCh	94, 10.337, 247.676
Yxy	84.6002, 0.2906, 0.3135
Android (android.graphics.Color)	4292604159 (0xFFDBF0FF)
YUV	235.4310, 9.6475, -14.4100
Hunter-Lab	91.9784, -8.7677, -4.4618

Details

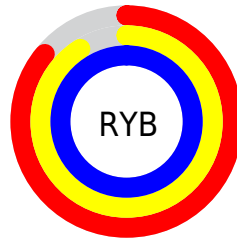
The XYZ color **78.4235, 84.6002, 106.8039** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.4486, 85.2187, 79.0701**, and the grayscale version is **79.2341, 83.3605, 90.7796**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6434, 46.2507, 60.1058** is the 20% darker color. If you saturate the color by 10%, you get **68.2960, 74.8744, 105.4604**, and if you desaturate by 10%, it is **89.9136, 95.3048, 108.2644**.

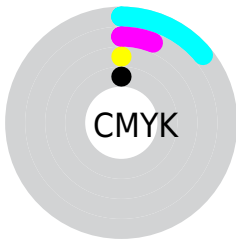
Distribution



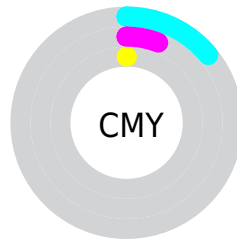
- Red (86%)
- Green (94%)
- Blue (100%)



- Red (86%)
- Yellow (91%)
- Blue (100%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (14%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4235, 84.6002, 106.8039 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 78.4235, 84.6002, 106.8039 by changing the saturation by 10% instead.

■ 78.4235, 84.6002,
106.8039

■ 78.4235, 84.6002,
106.8039

478.4217,
510.3042, 603.2253

■ 58.7259, 63.5111,
81.3463

130.1092,
139.8145, 172.6094

■ 42.6380, 46.2548,
60.2942

162.8280,
174.7084, 213.7945

■ 29.7945, 32.4469,
43.2290

200.6179,
214.9727, 261.0592

■ 19.8300, 21.7031,
29.7321

243.8443,
260.9919, 314.8220

■ 12.3791, 13.6389,
19.3850

292.8725,
313.1502, 375.5014

■ 7.0764, 7.8700,
11.7692

348.0679,

■ 3.5567, 4.0118,

371.8321, 443.5161

6.4661

409.7959,
437.4220, 519.2845

■ 1.4545, 1.6802,
3.0572

■ 0.2946, 0.4108,
1.1239

■ 78.4235, 84.6002,
106.8039

■ 78.4235, 84.6002,
106.8039

■ 68.2960, 74.8744,
105.4604

■ 89.9136, 95.3048,
108.2644

■ 59.4681, 66.0834,
104.2288

95.0500, 100.0000,
108.9000

■ 51.8814, 58.1947,
103.1060

■ 45.4702, 51.1696,
102.0879

■ 40.1620, 44.9657,
101.1702

■ 35.8757, 39.5359,
100.3481

■ 32.5174, 34.8267,
99.6161

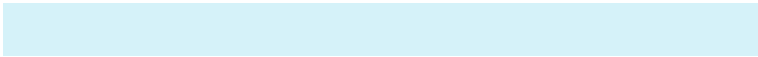
■ 29.9731, 30.7736,
98.9679

■ 28.7625, 28.6450,
98.6208

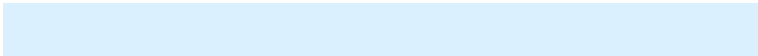
Harmonies

Analogous

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



76.3080, 84.6002, 101.6575



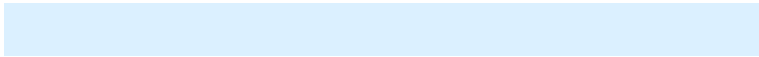
78.4235, 84.6002, 106.8039



81.1164, 84.6002, 107.9076

Triad

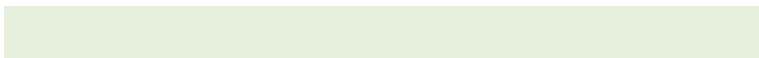
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4235, 84.6002, 106.8039



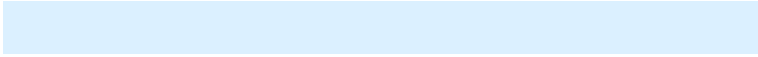
85.7501, 84.6002, 90.1127



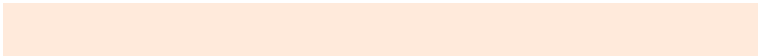
77.2298, 84.6002, 80.6716

Complementary

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



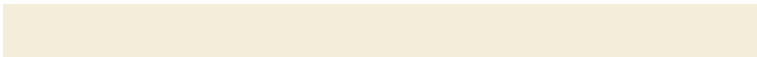
78.4235, 84.6002, 106.8039



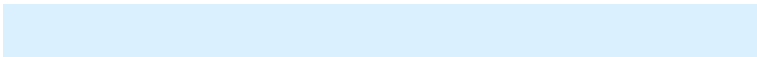
83.4486, 85.2187, 79.0701

Split Complementary

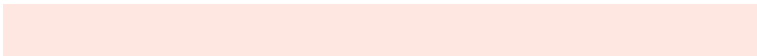
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7076, 84.6002, 77.9442



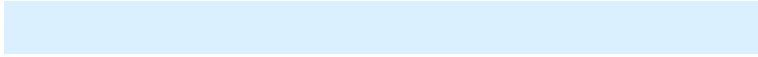
78.4235, 84.6002, 106.8039



84.6563, 84.6002, 83.1896

Square

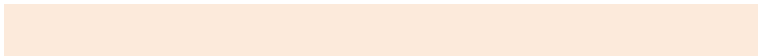
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



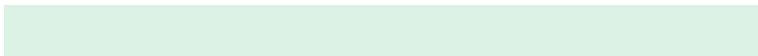
78.4235, 84.6002, 106.8039



85.3874, 84.6002, 97.9717



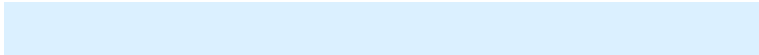
82.4297, 84.6002, 78.8391



75.6298, 84.6002, 86.4969

Rectangle

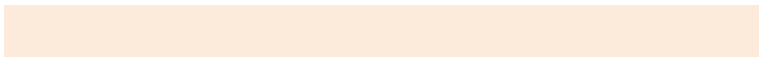
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4235, 84.6002, 106.8039



82.8842, 84.6002, 106.1475



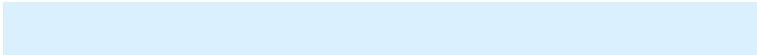
82.4297, 84.6002, 78.8391



77.9854, 84.6002, 79.3776

Sweetspot

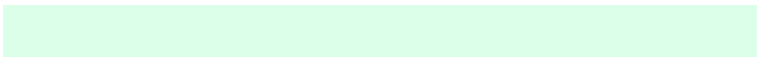
The Sweet Spot groups the original color and five complimentary colors.



78.4257, 84.6036, 106.8044



90.0559, 95.4355, 108.2822



79.7396, 92.4866, 91.0408



19.0801, 20.2472, 23.1524



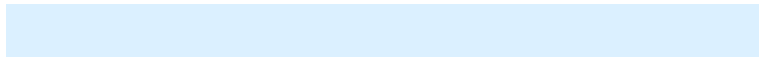
0.0000, 0.0000, 0.0000



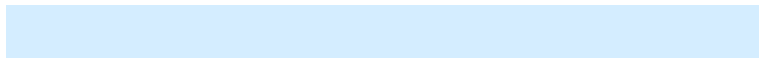
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4257, 84.6036, 106.8044



75.3681, 81.7001, 106.4051



73.5457, 74.8435, 105.1777



17.8836, 19.1388, 23.0015



15.1799, 15.2694, 51.5818



1.5860, 1.7026, 5.0583

Inverse Universe

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



82.3011, 78.2159, 93.2015



79.9737, 74.2832, 90.1997



88.6488, 95.6193, 80.8036



18.4539, 18.1649, 21.0073



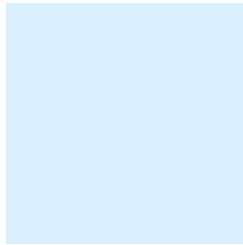
24.4503, 12.2694, 16.2877



2.4351, 1.2164, 1.8728

Previews

White Background



This preview shows how the XYZ color 78.4235, 84.6002, 106.8039 looks on a white background.

Color Contrast Check

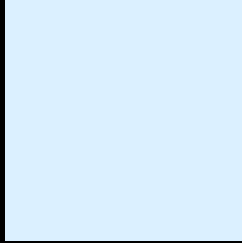
Large Text (above 18pt) WCAG AA × Fail

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 78.4235, 84.6002, 106.8039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

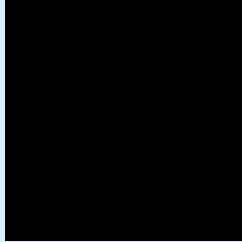
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

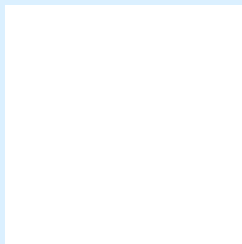
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4235, 84.6002, 106.8039

Background



This preview shows how black text looks on a background with the XYZ color 78.4235, 84.6002, 106.8039.



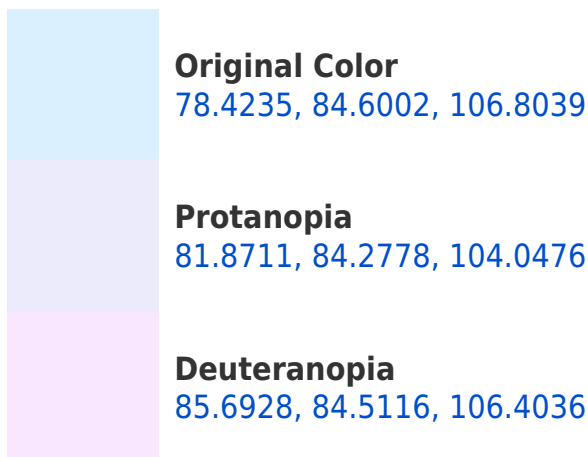
This preview shows how white text looks on a background with the XYZ color 78.4235, 84.6002,

106.8039.

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

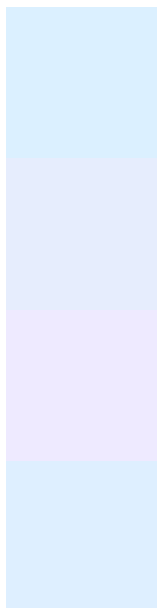




Tritanopia

79.3479, 84.6410, 106.7630

Trichromacy



Original Color

78.4235, 84.6002, 106.8039

Protanomaly

80.6469, 84.4832, 104.9848

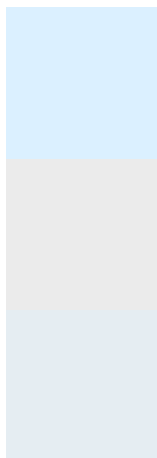
Deuteranomaly

82.7327, 84.2428, 106.5077

Tritanomaly

79.0407, 84.4826, 106.7486

Monochromacy



Original Color

78.4235, 84.6002, 106.8039

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6243, 83.6372, 96.0040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4235, 84.6002, 106.8039 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(219, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 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(219, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4235, 84.6002, 106.8039 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(219, 240, 255) }
```


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

```
.border{ border-color:rgb(219, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4235, 84.6002, 106.8039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 255) }
```

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

```
.background{ background-color: rgb(219,  
240, 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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