

Converting Colors

XYZ(80.2884, 84.9909,
116.2603)

Have a look what the booklet for
XYZ(80.2884, 84.9909, 116.2603)
contains.

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Color

**XYZ(78.4317, 84.1686,
106.7201)**

Conversions

Conversions Part 1

Format	Color
Hex	DCEFFF
RGB	220, 239, 255
RGB Percent	86%, 94%, 100%
CMY	0.1372, 0.0627, 0.0000
CMYK	0.14, 0.06, 0.00, 0.00
HSL	207°, 100%, 93%
HSV	207°, 14%, 100%
XYZ	78.4317, 84.1686, 106.7201
YIQ	235.1430, -16.4600, 0.9480

Conversions

Conversions Part 2

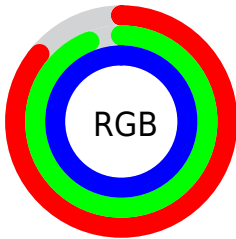
Format	Color
R _Y B	220, 232, 255
Decimal	14479359
CIE Lab	93.52, -3.10, -9.83
CIE LCh	94, 10.311, 252.477
Yxy	84.1686, 0.2912, 0.3125
Android (android.graphics.Color)	4292669439 (0xFFDCEFFF)
YUV	235.1430, 9.7895, -13.2804
Hunter-Lab	91.7434, -7.9509, -4.7484

Details

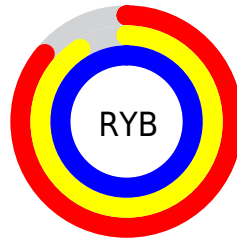
The XYZ color **78.4317, 84.1686, 106.7201** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1533, 86.4168, 79.9566**, and the grayscale version is **79.0132, 83.1280, 90.5264**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6436, 45.9435, 60.0465** is the 20% darker color. If you saturate the color by 10%, you get **67.9925, 73.8862, 105.2856**, and if you desaturate by 10%, it is **90.2726, 95.5047, 108.2841**.

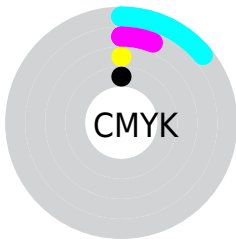
Distribution



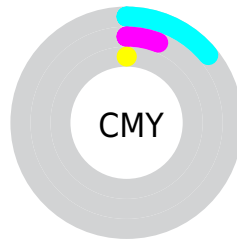
- Red (86%)
- Green (94%)
- Blue (100%)



- 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 78.4317, 84.1686, 106.7201 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 78.4317, 84.1686, 106.7201 by changing the saturation by 10% instead.

78.4317, 84.1686,
106.7201

78.4317, 84.1686,
106.7201

478.4491,
508.8729, 602.9595

58.7327, 63.1546,
81.2765

130.1207,
139.2110, 172.4940

42.6435, 45.9663,
60.2370

162.8413,
174.0082, 213.6614

29.7988, 32.2192,
43.1831

200.6332,
214.1687, 260.9071

19.8332, 21.5290,
29.6964

243.8617,
260.0767, 314.6497

12.3814, 13.5112,
19.3581

292.8922,
312.1168, 375.3077

7.0781, 7.7815,
11.7499

348.0901,

3.5577, 3.9555,

370.6733, 443.2996

6.4532

409.8206,
436.1305, 519.0440

■ 1.4551, 1.6487,
3.0493

■ 0.2950, 0.3901,
1.1199

■ 78.4317, 84.1686,
106.7201

■ 78.4317, 84.1686,
106.7201

■ 67.9925, 73.8862,
105.2856

■ 90.2726, 95.5047,
108.2841

■ 58.8909, 64.6117,
103.9752

95.0500, 100.0000,
108.9000

■ 51.0678, 56.3104,
102.7852

■ 44.4565, 48.9416,
101.7113

■ 38.9838, 42.4608,
100.7488

■ 34.5677, 36.8189,
99.8926

■ 31.1137, 31.9599,
99.1368

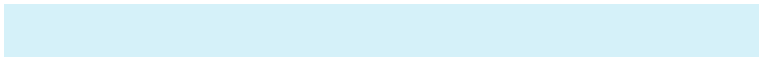
■ 28.5073, 27.8174,
98.4745

■ 27.2042, 25.5285,
98.1014

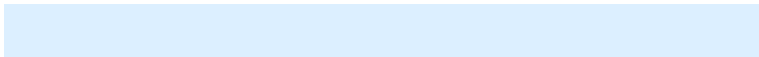
Harmonies

Analogous

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



76.1953, 84.1686, 102.1619



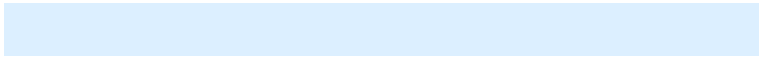
78.4317, 84.1686, 106.7201



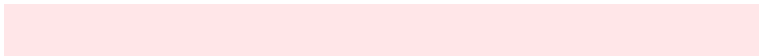
81.1376, 84.1686, 107.0993

Triad

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



78.4317, 84.1686, 106.7201



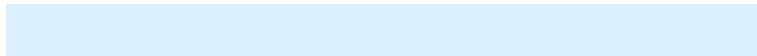
85.2280, 84.1686, 88.4400



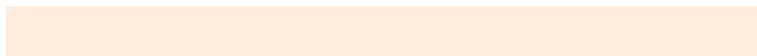
76.5117, 84.1686, 81.0123

Complementary

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



78.4317, 84.1686, 106.7201



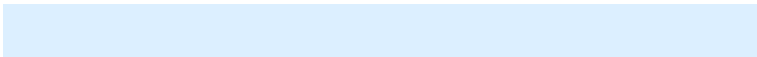
84.1533, 86.4168, 79.9566

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.



78.8726, 84.1686, 77.7544



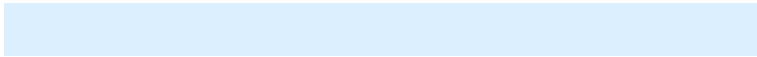
78.4317, 84.1686, 106.7201



83.9287, 84.1686, 81.8764

Square

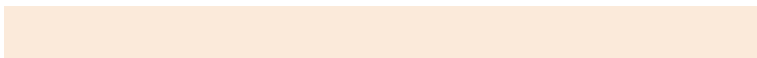
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



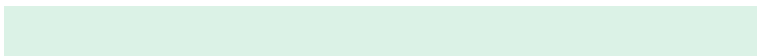
78.4317, 84.1686, 106.7201



85.1034, 84.1686, 96.2404



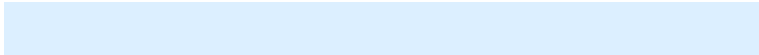
81.5885, 84.1686, 78.0615



75.1043, 84.1686, 87.1988

Rectangle

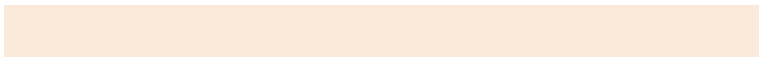
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.4317, 84.1686, 106.7201



82.8477, 84.1686, 104.9029



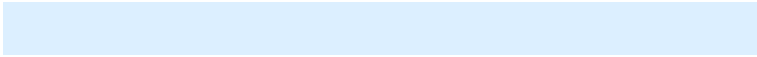
81.5885, 84.1686, 78.0615



77.2178, 84.1686, 79.5546

Sweetspot

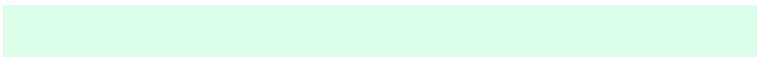
The Sweet Spot groups the original color and five complimentary colors.



78.4339, 84.1720, 106.7207



89.9273, 95.1782, 108.2393



80.3802, 92.7777, 92.8390



19.0475, 20.1821, 23.1416



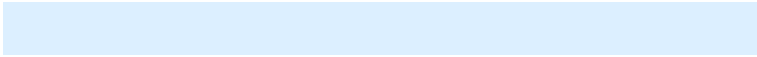
0.0000, 0.0000, 0.0000



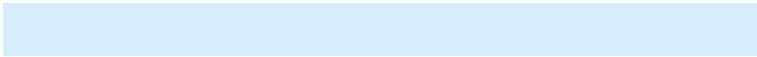
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4339, 84.1720, 106.7207



75.9372, 81.7407, 106.3830



73.6215, 74.5471, 105.1165



17.8203, 19.0122, 22.9804



14.3660, 13.6417, 51.3105



1.5081, 1.5468, 5.0324

Inverse Universe

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



82.4146, 78.6800, 92.5083



80.5289, 75.5311, 89.9608



89.3629, 96.8360, 81.6931



18.4219, 18.1521, 20.8390



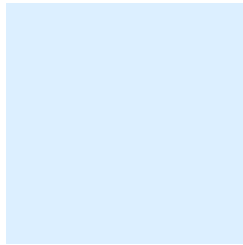
24.0395, 12.1051, 14.1244



2.3958, 1.2007, 1.6657

Previews

White Background



This preview shows how the XYZ color 78.4317, 84.1686, 106.7201 looks on a white background.

Color Contrast Check

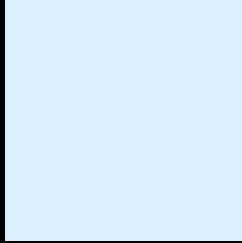
Large Text (above 18pt) WCAG AA × Fail

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 78.4317, 84.1686, 106.7201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

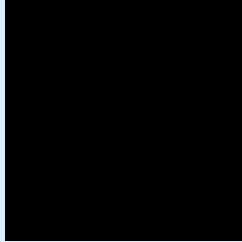
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

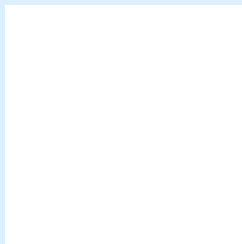
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4317, 84.1686, 106.7201

Background



This preview shows how black text looks on a background with the XYZ color 78.4317, 84.1686, 106.7201.



This preview shows how white text looks on a background with the XYZ color 78.4317, 84.1686,

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

78.4317, 84.1686, 106.7201

Protanopia

81.8711, 84.2778, 104.0476

Deuteranopia

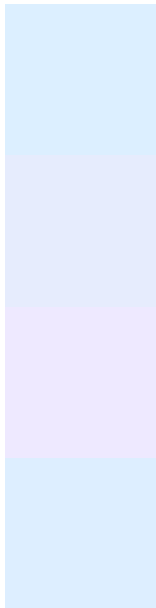
85.0582, 83.7701, 106.2939



Tritanopia

78.7487, 83.8987, 106.6513

Trichromacy



Original Color

78.4317, 84.1686, 106.7201

Protanomaly

80.3582, 83.9057, 104.8886

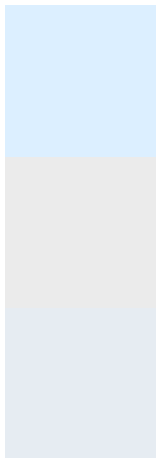
Deuteranomaly

82.4488, 83.6750, 106.4131

Tritanomaly

78.4433, 83.7412, 106.6370

Monochromacy



Original Color

78.4317, 84.1686, 106.7201

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

78.6556, 83.2247, 95.9228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4317, 84.1686, 106.7201 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(220, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(220, 239, 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(220, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4317, 84.1686, 106.7201 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(220, 239, 255) }
```


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

```
.border{ border-color:rgb(220, 239, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(220, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4317, 84.1686, 106.7201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 239, 255) }
```

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

```
.background{ background-color: rgb(220,  
239, 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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