

Converting Colors

XYZ(78.2289, 83.0838,
106.5214)

Have a look what the booklet for
XYZ(78.2289, 83.0838, 106.5214)
contains.

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Color

**XYZ(78.4584, 83.3180,
106.5545)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEDFF
RGB	222, 237, 255
RGB Percent	87%, 93%, 100%
CMY	0.1294, 0.0706, 0.0000
CMYK	0.13, 0.07, 0.00, 0.00
HSL	213°, 100%, 94%
HSV	213°, 13%, 100%
XYZ	78.4584, 83.3180, 106.5545
YIQ	234.5670, -14.7180, 2.4180

Conversions

Conversions Part 2

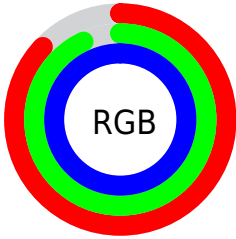
Format	Color
R _Y B	222, 232, 255
Decimal	14609919
CIE Lab	93.15, -1.46, -10.37
CIE LCh	93, 10.470, 262.007
Yxy	83.3180, 0.2924, 0.3105
Android (android.graphics.Color)	4292799999 (0xFFDEEDFF)
YUV	234.5670, 10.0735, -11.0213
Hunter-Lab	91.2787, -6.3084, -5.3173

Details

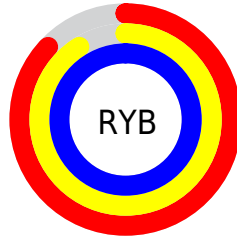
The XYZ color **78.4584, 83.3180, 106.5545** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5843, 88.8525, 81.7483**, and the grayscale version is **78.5724, 82.6643, 90.0214**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6533, 45.3405, 59.9296** is the 20% darker color. If you saturate the color by 10%, you get **67.3600, 71.8516, 104.9262**, and if you desaturate by 10%, it is **91.0546, 96.0245, 108.3432**.

Distribution



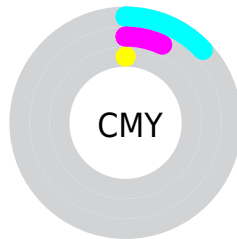
- Red (87%)
- Green (93%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- Blue (100%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.4584, 83.3180, 106.5545 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 78.4584, 83.3180, 106.5545 by changing the saturation by 10% instead.

■ 78.4584, 83.3180,
106.5545

■ 78.4584, 83.3180,
106.5545

478.5382,
506.0457, 602.4340

■ 58.7547, 62.4525,
81.1384

130.1581,
138.0208, 172.2659

■ 42.6613, 45.3984,
60.1239

162.8848,
172.6268, 213.3983

■ 29.8128, 31.7714,
43.0926

200.6832,
212.5819, 260.6066

■ 19.8439, 21.1869,
29.6258

243.9186,
258.2703, 314.3091

■ 12.3892, 13.2607,
19.3051

292.9565,
310.0765, 374.9246

■ 7.0834, 7.6083,
11.7119

348.1622,

■ 3.5611, 3.8454,

368.3849, 442.8716

6.4277

409.9010,
433.5798, 518.5685

■ 1.4570, 1.5874,
3.0339

■ 0.2963, 0.3491,
1.1120

■ 78.4584, 83.3180,
106.5545

■ 78.4584, 83.3180,
106.5545

■ 67.3600, 71.8516,
104.9262

■ 91.0546, 96.0245,
108.3432

■ 57.6930, 61.5740,
103.4520

95.0500, 100.0000,
108.9000

■ 49.3953, 52.4445,
102.1271

■ 42.3975, 44.4162,
100.9463

■ 36.6237, 37.4382,
99.9038

■ 31.9890, 31.4545,
98.9931

■ 28.3964, 26.4024,
98.2073

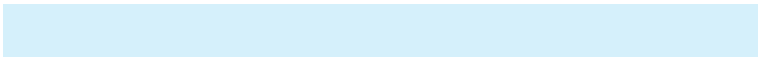
■ 25.7293, 22.2083,
97.5383

■ 24.2885, 19.6969,
97.1295

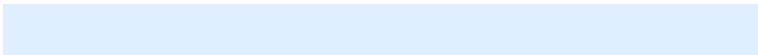
Harmonies

Analogous

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



75.9812, 83.3180, 103.1826



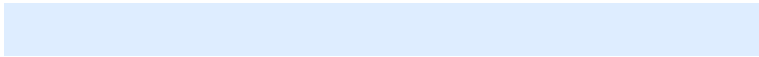
78.4584, 83.3180, 106.5545



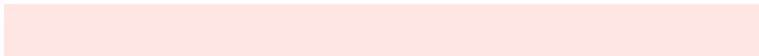
81.1889, 83.3180, 105.4936

Triad

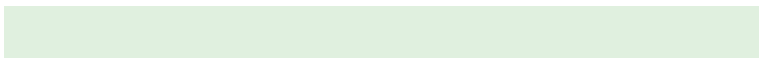
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.4584, 83.3180, 106.5545



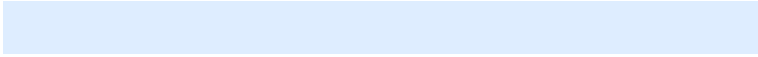
84.1947, 83.3180, 85.1628



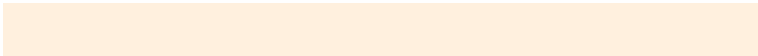
75.0974, 83.3180, 81.7143

Complementary

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



78.4584, 83.3180, 106.5545



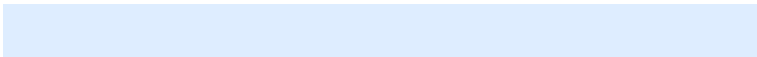
85.5843, 88.8525, 81.7483

Split Complementary

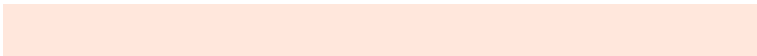
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.2266, 83.3180, 77.3928



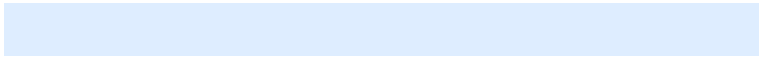
78.4584, 83.3180, 106.5545



82.4904, 83.3180, 79.3021

Square

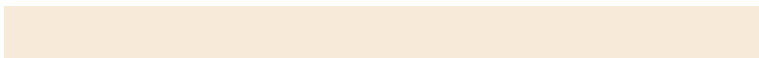
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.4584, 83.3180, 106.5545



84.5430, 83.3180, 92.8408



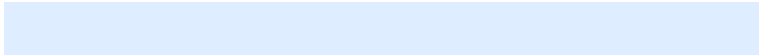
79.9287, 83.3180, 76.5359



74.0703, 83.3180, 88.6300

Rectangle

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



78.4584, 83.3180, 106.5545



82.7823, 83.3180, 102.4415



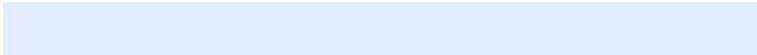
79.9287, 83.3180, 76.5359



75.7056, 83.3180, 79.9270

Sweetspot

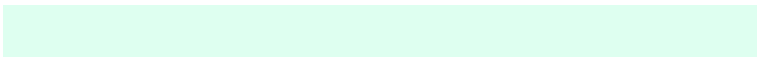
The Sweet Spot groups the original color and five complimentary colors.



78.4606, 83.3214, 106.5551



89.6475, 94.6187, 108.1461



81.5539, 93.3175, 95.8414



18.9767, 20.0406, 23.1180



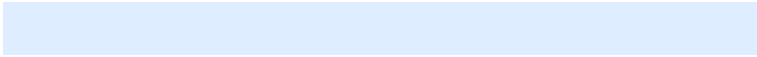
0.0000, 0.0000, 0.0000



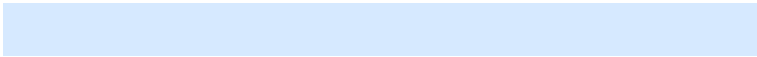
20.3446, 21.4041, 23.3091

Same Dimension

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



78.4606, 83.3214, 106.5551



74.9083, 79.6828, 106.0400



74.6348, 75.1680, 105.1829



17.6833, 18.7382, 22.9348



12.8361, 10.5817, 50.8005



1.3573, 1.2453, 4.9821

Inverse Universe

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



82.6487, 79.6185, 91.1366



80.0096, 75.3234, 87.2259



89.7816, 97.8460, 83.2630



18.3528, 18.1244, 20.4749



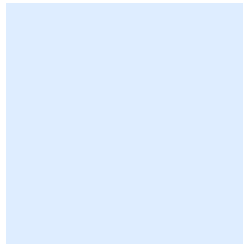
23.2672, 11.7962, 10.0577



2.3197, 1.1703, 1.2650

Previews

White Background



This preview shows how the XYZ color 78.4584, 83.3180, 106.5545 looks on a white background.

Color Contrast Check

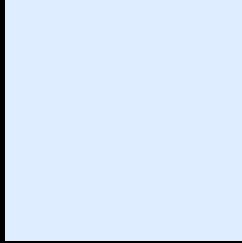
Large Text (above 18pt) WCAG AA × Fail

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 78.4584, 83.3180, 106.5545 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

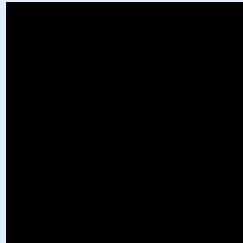
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

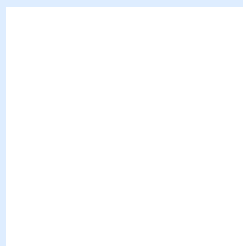
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.4584, 83.3180, 106.5545

Background



This preview shows how black text looks on a background with the XYZ color 78.4584, 83.3180, 106.5545.



This preview shows how white text looks on a background with the XYZ color 78.4584, 83.3180,

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

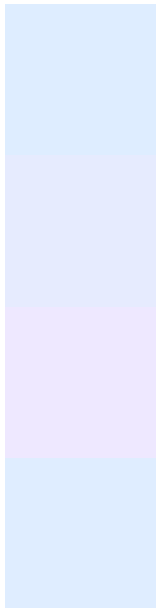




Tritanopia

78.7656, 83.4763, 106.5689

Trichromacy



Original Color

78.4584, 83.3180, 106.5545

Protanomaly

80.2309, 83.3954, 105.6342

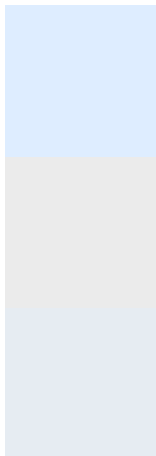
Deuteranomaly

82.1665, 83.1104, 106.3190

Tritanomaly

78.7656, 83.4763, 106.5689

Monochromacy



Original Color

78.4584, 83.3180, 106.5545

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 78.4584, 83.3180, 106.5545 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(222, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 237, 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(222, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4584, 83.3180, 106.5545 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(222, 237, 255) }
```


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

```
.border{ border-color:rgb(222, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4584, 83.3180, 106.5545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 237, 255) }
```

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

```
.background{ background-color: rgb(222,  
237, 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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