

Converting Colors

XYZ(81.2991, 84.1843,
110.9424)

Have a look what the booklet for
XYZ(81.2991, 84.1843, 110.9424)
contains.

XYZ(80.3586, 83.8689, 106.5607)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.3586, 83.8689,
106.5607)**

Conversions

Conversions Part 1

Format	Color
Hex	E5ECFF
RGB	229, 236, 255
RGB Percent	90%, 93%, 100%
CMY	0.1020, 0.0745, 0.0000
CMYK	0.10, 0.07, 0.00, 0.00
HSL	224°, 100%, 95%
HSV	224°, 10%, 100%
XYZ	80.3586, 83.8689, 106.5607
YIQ	236.0730, -10.2710, 4.4250

Conversions

Conversions Part 2

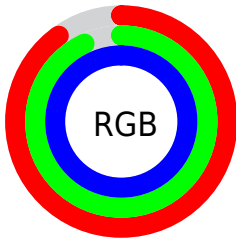
Format	Color
R _Y B	229, 235, 255
Decimal	15068415
CIE Lab	93.39, 1.27, -9.96
CIE LCh	93, 10.038, 277.244
Yxy	83.8689, 0.2968, 0.3097
Android (android.graphics.Color)	4293258495 (0xFFE5ECFF)
YUV	236.0730, 9.3310, -6.2030
Hunter-Lab	91.5800, -3.6367, -4.8827

Details

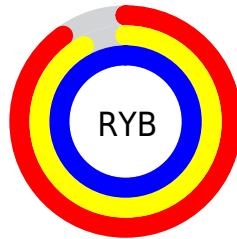
The XYZ color **80.3586, 83.8689, 106.5607** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.9497, 94.0504, 87.5959**, and the grayscale version is **79.7231, 83.8749, 91.3398**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7479, 45.6040, 59.9228** is the 20% darker color. If you saturate the color by 10%, you get **67.7250, 69.8059, 104.5121**, and if you desaturate by 10%, it is **94.7513, 99.6740, 108.8528**.

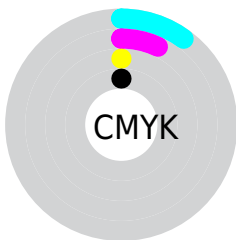
Distribution



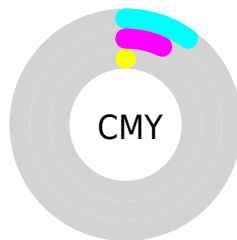
- Red (90%)
- Green (93%)
- Blue (100%)



- Red (90%)
- Yellow (92%)
- Blue (100%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3586, 83.8689, 106.5607 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 80.3586, 83.8689, 106.5607 by changing the saturation by 10% instead.

80.3586, 83.8689,
106.5607

80.3586, 83.8689,
106.5607

484.8587,
507.8778, 602.4537

60.3230, 62.9072,
81.1435

132.8177,
138.7918, 172.2745

43.9295, 45.7661,
60.1281

165.9718,
173.5217, 213.4082

30.8127, 32.0613,
43.0959

204.2295,
213.6099, 260.6178

20.6074, 21.4083,
29.6284

247.9561,
259.4407, 314.3219

12.9482, 13.4228,
19.3071

297.5170,
311.3985, 374.9390

7.4696, 7.7203,
11.7133

353.2774,

3.8064, 3.9165,

369.8677, 442.8876

6.4286

415.6029,
435.2326, 518.5863

■ 1.5932, 1.6270,
3.0344

■ 0.3880, 0.3757,
1.1123

■ 80.3586, 83.8689,
106.5607

■ 80.3586, 83.8689,
106.5607

■ 67.7250, 69.8059,
104.5121

94.7513, 99.6740,
108.8528

■ 56.7749, 57.4138,
102.6974

95.0500, 100.0000,
108.9000

■ 47.4369, 46.6316,
101.1083

■ 39.6317, 37.3902,
99.7359

■ 33.2731, 29.6154,
98.5704

■ 28.2657, 23.2266,
97.6012

■ 24.5018, 18.1340,
96.8166

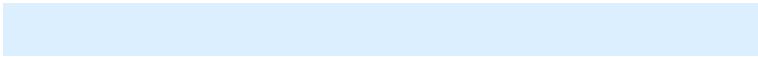
■ 21.8556, 14.2359,
96.2036

■ 20.1590, 11.4379,
95.7530

Harmonies

Analogous

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



77.7617, 83.8689, 105.4357



80.3586, 83.8689, 106.5607



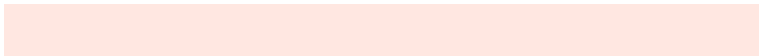
82.8360, 83.8689, 103.4251

Triad

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



80.3586, 83.8689, 106.5607



83.8369, 83.8689, 82.7756



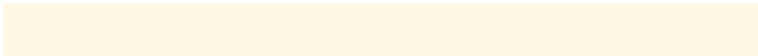
75.1115, 83.8689, 85.7943

Complementary

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



80.3586, 83.8689, 106.5607



88.9497, 94.0504, 87.5959

Split Complementary

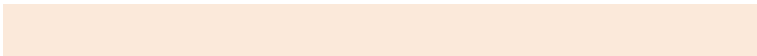
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.6731, 83.8689, 80.1965



80.3586, 83.8689, 106.5607



81.7005, 83.8689, 78.5221

Square

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



80.3586, 83.8689, 106.5607



84.8729, 83.8689, 89.4926



79.0746, 83.8689, 77.6047



74.7702, 83.8689, 93.1700

Rectangle

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



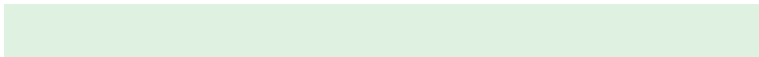
80.3586, 83.8689, 106.5607



84.0737, 83.8689, 99.4375



79.0746, 83.8689, 77.6047



75.5094, 83.8689, 83.6548

Sweetspot

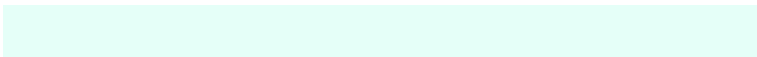
The Sweet Spot groups the original color and five complimentary colors.



80.3608, 83.8723, 106.5612



90.5341, 95.0633, 108.1851



84.9604, 94.9330, 102.3555



19.1256, 20.0709, 23.1160



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.



80.3608, 83.8723, 106.5612



77.9524, 81.2069, 106.1737



80.2106, 80.8601, 105.9877



17.4010, 18.1736, 22.8407



10.6380, 6.1856, 50.0678



1.1214, 0.7736, 4.9035

Inverse Universe

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



84.4011, 83.3564, 91.0018



82.6602, 80.6494, 88.0335



89.1011, 97.3846, 88.2315



18.2103, 18.0674, 19.7246



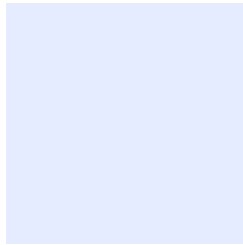
22.1578, 11.3524, 4.2153



2.2007, 1.1226, 0.6381

Previews

White Background



This preview shows how the XYZ color 80.3586, 83.8689, 106.5607 looks on a white background.

Color Contrast Check

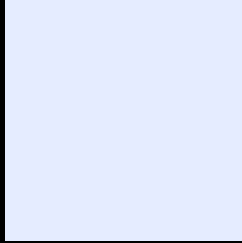
Large Text (above 18pt) WCAG AA × Fail

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 80.3586, 83.8689, 106.5607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

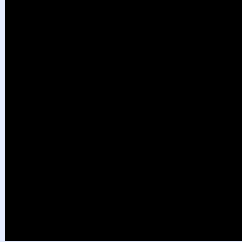
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.3586, 83.8689, 106.5607

Background



This preview shows how black text looks on a background with the XYZ color 80.3586, 83.8689, 106.5607.



This preview shows how white text looks on a background with the XYZ color 80.3586, 83.8689,

106.5607.

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

80.3586, 83.8689, 106.5607

Protanopia

81.5732, 83.6636, 105.6152

Deuteranopia

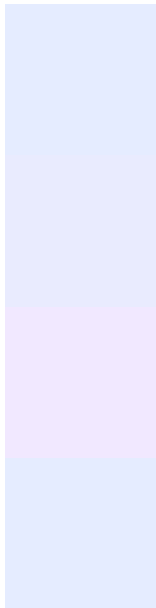
85.0582, 83.7701, 106.2939



Tritanopia

80.3586, 83.8689, 106.5607

Trichromacy



Original Color

80.3586, 83.8689, 106.5607

Protanomaly

81.2020, 83.8961, 105.6797

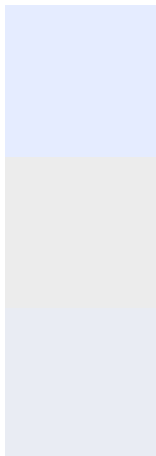
Deuteranomaly

83.1822, 83.6340, 106.3665

Tritanomaly

80.3586, 83.8689, 106.5607

Monochromacy



Original Color

80.3586, 83.8689, 106.5607

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.7774, 83.7856, 96.7615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3586, 83.8689, 106.5607 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(229, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 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(229, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.3586, 83.8689, 106.5607 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(229, 236, 255) }
```


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

```
.border{ border-color:rgb(229, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3586, 83.8689, 106.5607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 255) }
```

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

```
.background{ background-color: rgb(229,  
236, 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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