

Converting Colors

XYZ(91.4484, 89.6727,
165.2634)

Have a look what the booklet for
XYZ(91.4484, 89.6727, 165.2634)
contains.

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Color

**XYZ(80.2805, 85.1218,
106.8066)**

Conversions

Conversions Part 1

Format	Color
Hex	E2EFFF
RGB	226, 239, 255
RGB Percent	89%, 94%, 100%
CMY	0.1137, 0.0627, 0.0000
CMYK	0.11, 0.06, 0.00, 0.00
HSL	213°, 100%, 94%
HSV	213°, 11%, 100%
XYZ	80.2805, 85.1218, 106.8066
YIQ	236.9370, -12.8840, 2.2200

Conversions

Conversions Part 2

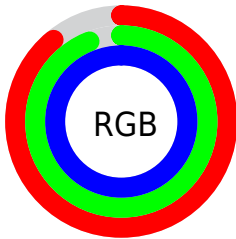
Format	Color
R _Y B	226, 235, 255
Decimal	14872575
CIE Lab	93.94, -1.22, -9.18
CIE LCh	94, 9.258, 262.404
Yxy	85.1218, 0.2949, 0.3127
Android (android.graphics.Color)	4293062655 (0xFFE2EFFF)
YUV	236.9370, 8.9051, -9.5917
Hunter-Lab	92.2615, -6.1374, -4.0541

Details

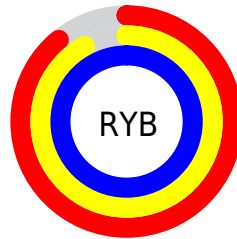
The XYZ color **80.2805, 85.1218, 106.8066** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.7189, 90.2533, 84.8030**, and the grayscale version is **80.3905, 84.5771, 92.1045**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9211, 46.6021, 60.1063** is the 20% darker color. If you saturate the color by 10%, you get **68.9128, 73.3867, 105.1407**, and if you desaturate by 10%, it is **93.1623, 98.1177, 108.6362**.

Distribution



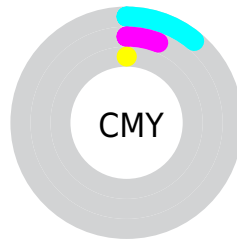
- Red (89%)
- Green (94%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2805, 85.1218, 106.8066 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 80.2805, 85.1218, 106.8066 by changing the saturation by 10% instead.

80.2805, 85.1218,
106.8066

80.2805, 85.1218,
106.8066

484.5998,
512.0310, 603.2338

60.2585, 63.9420,
81.3486

132.7085,
140.5433, 172.6132

43.8773, 46.6037,
60.2961

165.8451,
175.5539, 213.7988

30.7715, 32.7225,
43.2305

204.0840,
215.9435, 261.0641

20.5759, 21.9139,
29.7332

247.7906,
262.0965, 314.8275

12.9250, 13.7937,
19.3859

297.3300,
314.3974, 375.5077

7.4536, 7.9773,
11.7698

353.0678,

3.7962, 4.0804,

373.2305, 443.5231

6.4665

415.3693,
438.9803, 519.2923

■ 1.5875, 1.7187,
3.0574

■ 0.3842, 0.4357,
1.1240

■ 80.2805, 85.1218,
106.8066

■ 80.2805, 85.1218,
106.8066

■ 68.9128, 73.3867,
105.1407

■ 93.1623, 98.1177,
108.6362

■ 58.9929, 62.8607,
103.6318

95.0500, 100.0000,
108.9000

■ 50.4593, 53.5031,
102.2754

■ 43.2434, 45.2670,
101.0660

■ 37.2698, 38.1015,
99.9977

■ 32.4551, 31.9511,
99.0644

■ 28.7041, 26.7534,
98.2588

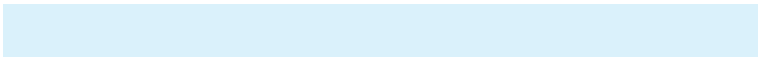
■ 25.9038, 22.4364,
97.5731

■ 24.1067, 19.3334,
97.0689

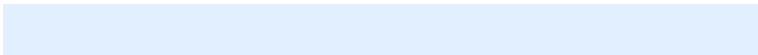
Harmonies

Analogous

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



78.0471, 85.1218, 103.8651



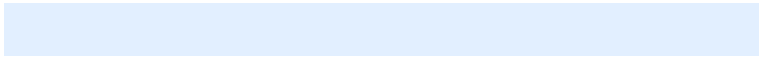
80.2805, 85.1218, 106.8066



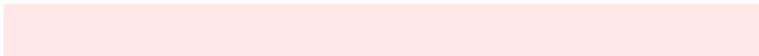
82.7265, 85.1218, 105.8140

Triad

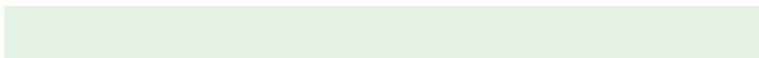
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.2805, 85.1218, 106.8066



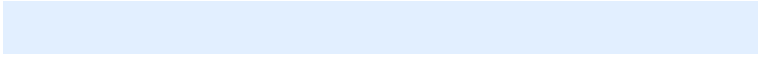
85.3693, 85.1218, 87.6030



77.2064, 85.1218, 84.6423

Complementary

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



80.2805, 85.1218, 106.8066



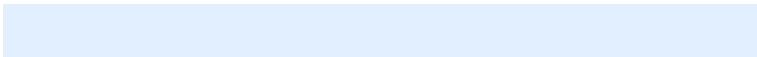
86.7189, 90.2533, 84.8030

Split Complementary

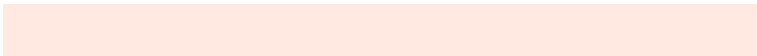
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.1119, 85.1218, 80.6862



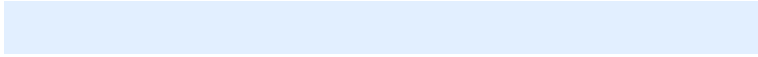
80.2805, 85.1218, 106.8066



83.8333, 85.1218, 82.3341

Square

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



80.2805, 85.1218, 106.8066



85.6976, 85.1218, 94.4900



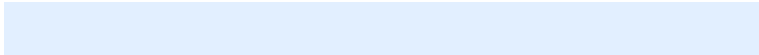
81.5342, 85.1218, 79.8631



76.2959, 85.1218, 90.8995

Rectangle

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



80.2805, 85.1218, 106.8066



84.1457, 85.1218, 103.0771



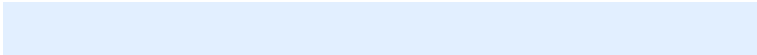
81.5342, 85.1218, 79.8631



77.7500, 85.1218, 83.0126

Sweetspot

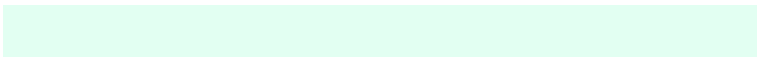
The Sweet Spot groups the original color and five complimentary colors.



80.2828, 85.1253, 106.8072



90.9600, 95.9151, 108.3271



83.1443, 94.0969, 97.7461



19.2403, 20.3003, 23.1542



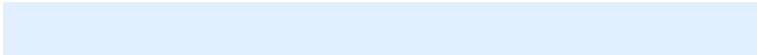
0.0000, 0.0000, 0.0000



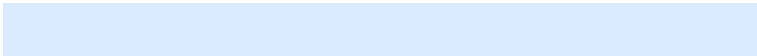
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2828, 85.1253, 106.8072



77.1506, 81.9203, 106.3537



77.0682, 78.0183, 105.6048



17.6737, 18.7189, 22.9316



12.7403, 10.3901, 50.7686



1.3476, 1.2260, 4.9789

Inverse Universe

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



84.0177, 81.8861, 93.0430



81.6899, 78.0957, 89.5998



90.1963, 97.9971, 86.1144



18.3479, 18.1225, 20.4493



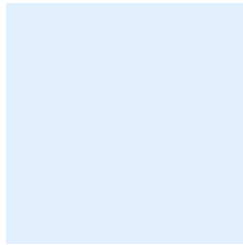
23.2189, 11.7769, 9.8031



2.3148, 1.1683, 1.2393

Previews

White Background



This preview shows how the XYZ color 80.2805, 85.1218, 106.8066 looks on a white background.

Color Contrast Check

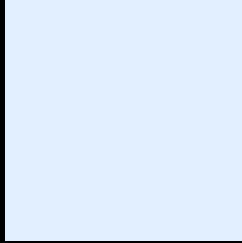
Large Text (above 18pt) WCAG AA × Fail

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 80.2805, 85.1218, 106.8066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

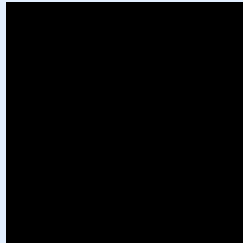
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

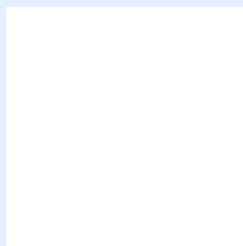
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.2805, 85.1218, 106.8066

Background



This preview shows how black text looks on a background with the XYZ color 80.2805, 85.1218, 106.8066.



This preview shows how white text looks on a background with the XYZ color 80.2805, 85.1218,

106.8066.

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

80.2805, 85.1218, 106.8066

Protanopia

82.6501, 85.0873, 104.9959

Deuteranopia

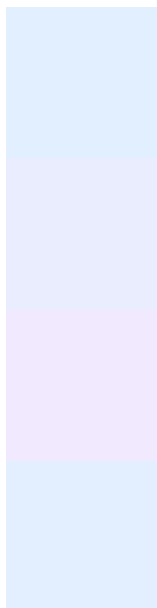
86.0503, 84.6958, 106.4203



Tritanopia

80.6194, 84.8631, 106.7388

Trichromacy



Original Color

80.2805, 85.1218, 106.8066

Protanomaly

81.7779, 85.0478, 105.8716

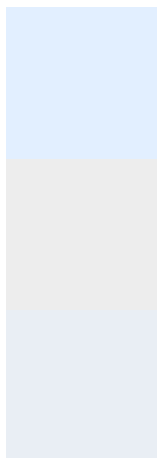
Deuteranomaly

83.7484, 84.7664, 106.5553

Tritanomaly

80.3031, 84.7000, 106.7240

Monochromacy



Original Color

80.2805, 85.1218, 106.8066

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5079, 85.0044, 97.7522

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2805, 85.1218, 106.8066 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(226, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.2805, 85.1218, 106.8066 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(226, 239, 255) }
```


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

```
.border{ border-color:rgb(226, 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(226, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(226, 239, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(226, 239, 255); box-shadow:4px 4px 4px 4px rgb(226, 239, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2805, 85.1218, 106.8066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 239, 255) }
```

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

```
.background{ background-color: rgb(226,  
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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