

# Converting Colors

XYZ(80.0550, 85.3588,  
103.9892)

Have a look what the booklet for  
XYZ(80.0550, 85.3588, 103.9892)  
contains.

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# **Color**

**XYZ(80.0948, 85.5172,  
104.3805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2F0FC
RGB	226, 240, 252
RGB Percent	89%, 94%, 99%
CMY	0.1137, 0.0588, 0.0118
CMYK	0.10, 0.05, 0.00, 0.01
HSL	208°, 81%, 94%
HSV	208°, 10%, 99%
XYZ	80.0948, 85.5172, 104.3805
YIQ	237.1820, -12.1960, 0.7640

# Conversions

## Conversions Part 2

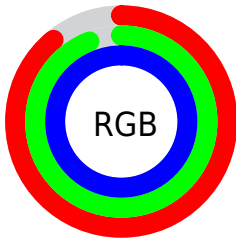
Format	Color
R <sub>Y</sub> B	226, 235, 252
Decimal	14872828
CIE Lab	94.11, -2.32, -7.37
CIE LCh	94, 7.724, 252.513
Yxy	85.5172, 0.2967, 0.3167
Android (android.graphics.Color)	4293062908 (0xFFE2F0FC)
YUV	237.1820, 7.3053, -9.8066
Hunter-Lab	92.4755, -7.2299, -2.1899

# Details

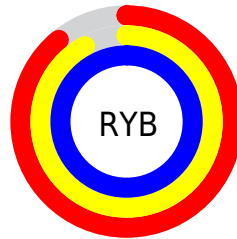
The XYZ color **80.0948, 85.5172, 104.3805** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4473, 87.3350, 84.3595**, and the grayscale version is **80.5907, 84.7877, 92.3338**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7854, 46.8790, 58.3706** is the 20% darker color. If you saturate the color by 10%, you get **69.4526, 75.1134, 102.9346**, and if you desaturate by 10%, it is **92.1227, 96.9656, 105.9577**.

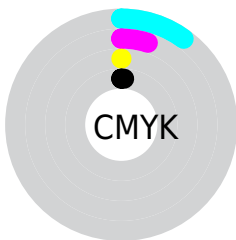
# Distribution



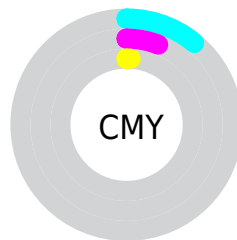
- Red (89%)
- Green (94%)
- Blue (99%)



- Red (89%)
- Yellow (92%)
- Blue (99%)



- Cyan (10%)
- Magenta (5%)
- Yellow (0%)
- Black (1%)



- Cyan (11%)
- Magenta (6%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0948, 85.5172, 104.3805 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 80.0948, 85.5172, 104.3805 by changing the saturation by 10% instead.



80.0948, 85.5172,  
104.3805

80.0948, 85.5172,  
104.3805

483.9839,  
513.3379, 595.5137

60.1051, 64.2688,  
79.3267

132.4488,  
141.0956, 169.2683

43.7531, 46.8684,  
58.6415

165.5439,  
176.1943, 209.9393

30.6736, 32.9317,  
41.9065

203.7381,  
216.6787, 256.6532

20.5010, 22.0741,  
28.7031

247.3968,  
262.9330, 309.8284

12.8701, 13.9114,  
18.6127

296.8854,  
315.3417, 369.8835

7.4156, 8.0590,  
11.2168

352.5692,

3.7719, 4.1327,

374.2891, 437.2371

6.0968

414.8136,  
440.1597, 512.3076

■ 1.5739, 1.7481,  
2.8343

■ 0.3753, 0.4545,  
1.0107

■ 80.0948, 85.5172,  
104.3805

■ 80.0948, 85.5172,  
104.3805

■ 69.4526, 75.1134,  
102.9346

■ 92.1227, 96.9656,  
105.9577

■ 60.1341, 65.7093,  
101.6106

■ 94.5709, 99.8084,  
106.3773

■ 52.0834, 57.2721,  
100.4063

■ 45.2375, 49.7629,  
99.3177

■ 39.5275, 43.1396,  
98.3403

■ 34.8769, 37.3559,  
97.4690

■ 31.1984, 32.3598,  
96.6985

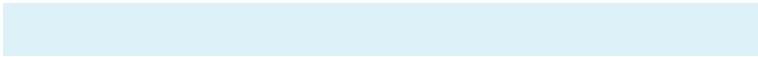
■ 28.3887, 28.0905,  
96.0226

■ 26.3367, 24.5599,  
95.4493

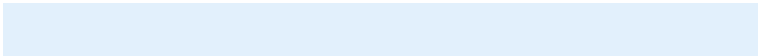
# Harmonies

## Analogous

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



78.3911, 85.5172, 101.0074



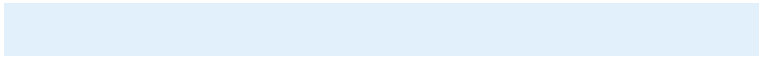
80.0948, 85.5172, 104.3805



82.1444, 85.5172, 104.6563

# Triad

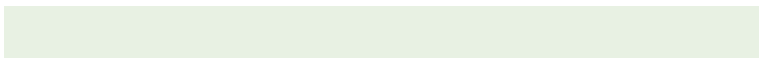
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0948, 85.5172, 104.3805



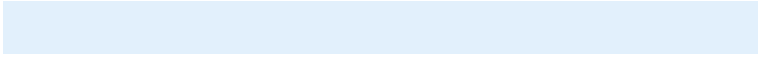
85.2178, 85.5172, 90.6728



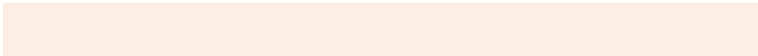
78.6291, 85.5172, 84.9843

# Complementary

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



80.0948, 85.5172, 104.3805



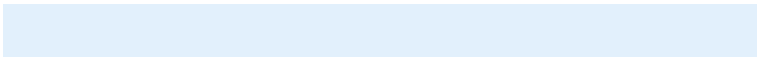
84.4473, 87.3350, 84.3595

# Split Complementary

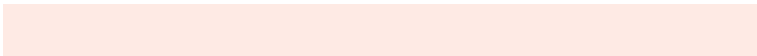
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.4247, 85.5172, 82.4526



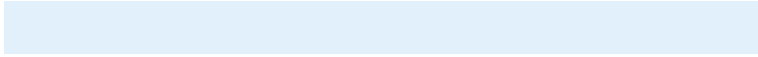
80.0948, 85.5172, 104.3805



84.2422, 85.5172, 85.6423

# Square

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



80.0948, 85.5172, 104.3805



85.1258, 85.5172, 96.5710



82.4799, 85.5172, 82.6883

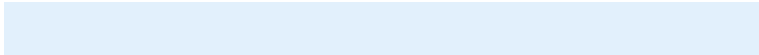


77.5547, 85.5172, 89.7399



# Rectangle

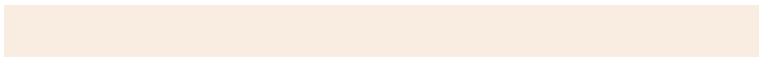
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.0948, 85.5172, 104.3805



83.4334, 85.5172, 103.0309



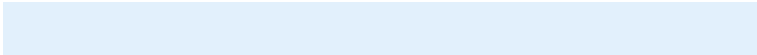
82.4799, 85.5172, 82.6883



79.1670, 85.5172, 83.8542

# Sweetspot

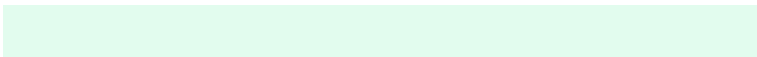
The Sweet Spot groups the original color and five complimentary colors.



80.0973, 85.5208, 104.3824



91.1756, 96.3464, 108.3990



81.5644, 91.9465, 94.1080



19.2985, 20.4167, 23.1736



0.0000, 0.0000, 0.0000

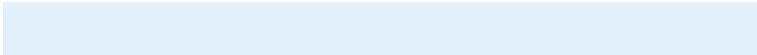


20.3446, 21.4041, 23.3091

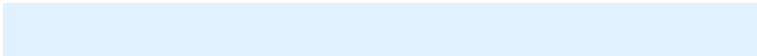


# Same Dimension

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



80.0973, 85.5208, 104.3824



80.3347, 85.9715, 106.9678



76.4874, 78.3010, 103.1791



17.0575, 18.1917, 21.9976



13.8681, 13.0919, 49.7696



1.3905, 1.4247, 4.6449



# Inverse Universe

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



83.0714, 81.3812, 93.7720



83.8627, 81.1303, 94.3656



88.2773, 94.9950, 85.6362



17.6355, 17.3816, 19.9365



23.2920, 11.7325, 13.5121

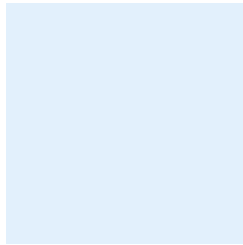


2.2108, 1.1081, 1.5334



# Previews

## White Background



This preview shows how the XYZ color 80.0948, 85.5172, 104.3805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

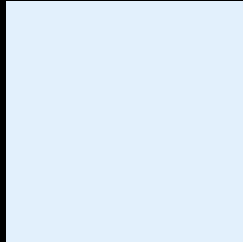
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.0948, 85.5172, 104.3805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

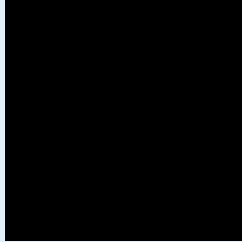
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

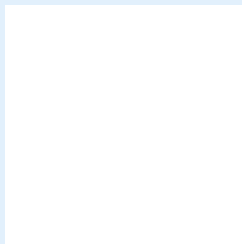
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 80.0948, 85.5172, 104.3805

## Background



This preview shows how black text looks on a background with the XYZ color 80.0948, 85.5172, 104.3805.



This preview shows how white text looks on a background with the XYZ color 80.0948, 85.5172,



# 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

80.0948, 85.5172, 104.3805

### Protanopia

82.8474, 85.2438, 102.5296

### Deuteranopia

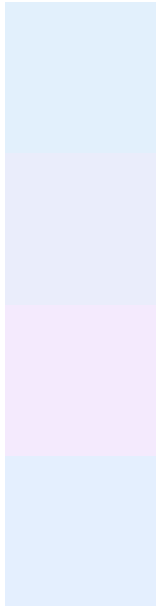
87.3384, 85.3784, 105.6424



## Tritanopia

81.2296, 85.6110, 106.8511

# Trichromacy



## Original Color

80.0948, 85.5172, 104.3805

## Protanomaly

81.6285, 85.0258, 103.3761

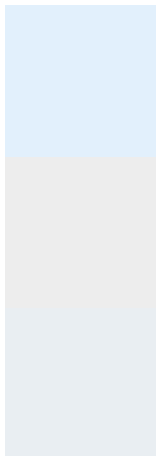
## Deuteranomaly

84.4607, 85.1706, 104.9165

## Tritanomaly

80.7508, 85.3827, 105.9904

# Monochromacy



## Original Color

80.0948, 85.5172, 104.3805

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

80.2058, 84.8835, 96.1613

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.0948, 85.5172, 104.3805 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, 240, 252)` looks like.

```
.text, #text, p{  
    color:rgb(226, 240, 252)  
}
```

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, 240, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 240, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 80.0948, 85.5172, 104.3805 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, 240, 252) }
```



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

```
.border{ border-color:rgb(226, 240, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 240, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 240, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 240, 252);  
box-shadow:4px 4px 4px 4px rgb(226, 240,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.0948, 85.5172, 104.3805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 240, 252) }
```

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

```
.background{ background-color: rgb(226,  
240, 252) }
```

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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