

# Converting Colors

XYZ(80.4180, 82.5303,  
106.2992)

Have a look what the booklet for  
XYZ(80.4180, 82.5303, 106.2992)  
contains.

<b>XYZ(80.4676, 82.6536, 106.3204)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(80.4676, 82.6536,  
106.3204)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E9FF
RGB	232, 233, 255
RGB Percent	91%, 91%, 100%
CMY	0.0902, 0.0863, 0.0000
CMYK	0.09, 0.09, 0.00, 0.00
HSL	237°, 100%, 95%
HSV	237°, 9%, 100%
XYZ	80.4676, 82.6536, 106.3204
YIQ	235.2090, -7.6580, 6.6300

# Conversions

## Conversions Part 2

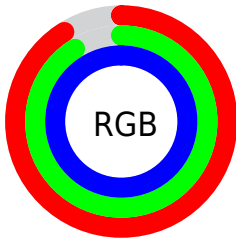
Format	Color
R <sub>Y</sub> B	232, 233, 255
Decimal	15264255
CIE Lab	92.86, 3.77, -10.72
CIE LCh	93, 11.367, 289.359
Yxy	82.6536, 0.2986, 0.3068
Android (android.graphics.Color)	4293454335 (0xFFE8E9FF)
YUV	235.2090, 9.7570, -2.8143
Hunter-Lab	90.9140, -1.1100, -5.6975

# Details

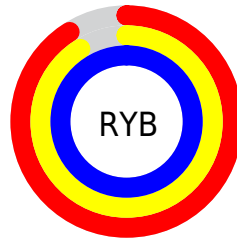
The XYZ color **80.4676, 82.6536, 106.3204** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.2466, 97.9679, 90.4459**, and the grayscale version is **79.0589, 83.1761, 90.5788**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8197, 44.7516, 59.7545** is the 20% darker color. If you saturate the color by 10%, you get **66.3500, 65.8273, 103.8167**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

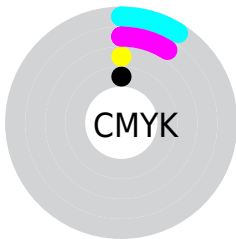
# Distribution



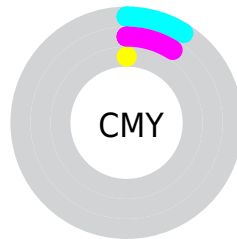
- Red (91%)
- Green (91%)
- Blue (100%)



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



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4676, 82.6536, 106.3204 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 80.4676, 82.6536, 106.3204 by changing the saturation by 10% instead.



80.4676, 82.6536,  
106.3204

80.4676, 82.6536,  
106.3204

485.2199,  
503.8313, 601.6908

60.4130, 61.9044,  
80.9432

132.9700,  
137.0902, 171.9434

44.0023, 44.9555,  
59.9641

166.1486,  
171.5464, 213.0263

30.8703, 31.4224,  
42.9646

204.4325,  
211.3404, 260.1815

20.6514, 20.9207,  
29.5261

248.1871,  
256.8566, 313.8275

12.9805, 13.0660,  
19.2302

297.7778,  
308.4794, 374.3829

7.4920, 7.4740,  
11.6582

353.5699,

3.8207, 3.7603,

366.5932, 442.2663

6.3917

415.9288,  
431.5824, 517.8960

■ 1.6012, 1.5404,  
3.0121

■ 0.3932, 0.3169,  
1.1008

■ 80.4676, 82.6536,  
106.3204

■ 80.4676, 82.6536,  
106.3204

■ 66.3500, 65.8273,  
103.8167

95.0500, 100.0000,  
108.9000

■ 54.2949, 51.4207,  
101.6713

■ 44.2077, 39.3254,  
99.8683

■ 35.9838, 29.4212,  
98.3900

■ 29.5092, 21.5768,  
97.2172

■ 24.6569, 15.6470,  
96.3284

■ 21.2833, 11.4677,  
95.6995

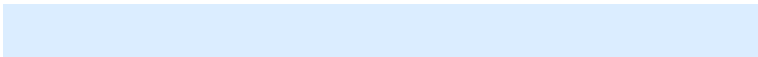
■ 19.2190, 8.8470,  
95.3024

■ 18.2319, 7.5374,  
95.1017

# Harmonies

## Analogous

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



77.5103, 82.6536, 107.0410



80.4676, 82.6536, 106.3204



82.9722, 82.6536, 101.0709

# Triad

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



80.4676, 82.6536, 106.3204



82.3373, 82.6536, 78.1499



73.0812, 82.6536, 87.0102

# Complementary

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



80.4676, 82.6536, 106.3204



91.2466, 97.9679, 90.4459

# 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.



74.3066, 82.6536, 79.7607



80.4676, 82.6536, 106.3204



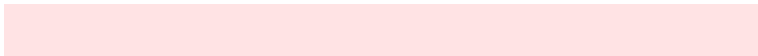
79.6187, 82.6536, 74.8634

# Square

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



80.4676, 82.6536, 106.3204



84.0703, 82.6536, 84.6836



76.6823, 82.6536, 75.4339



73.2955, 82.6536, 95.5255



# Rectangle

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



80.4676, 82.6536, 106.3204



84.0246, 82.6536, 95.8834



76.6823, 82.6536, 75.4339



73.3372, 82.6536, 84.3541

# Sweetspot

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



80.4698, 82.6570, 106.3209



90.0016, 93.9983, 108.0076



86.9048, 95.8223, 107.5553



18.9825, 19.7846, 23.0683



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.



80.4698, 82.6570, 106.3209



77.5040, 79.1252, 105.7955



83.6458, 83.8738, 106.3884



17.0666, 17.5047, 22.7292



9.5221, 3.9537, 49.6959



0.9485, 0.4277, 4.8458



# Inverse Universe

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



84.8059, 84.8579, 89.0042



82.7231, 81.7819, 84.9508



87.8603, 96.6961, 90.3789



18.0415, 17.9999, 18.8356



21.5945, 11.1271, 1.2492

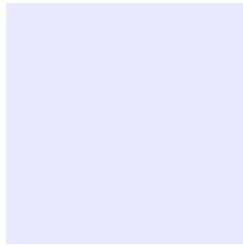


2.1134, 1.0877, 0.1784



# Previews

## White Background



This preview shows how the XYZ color 80.4676, 82.6536, 106.3204 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

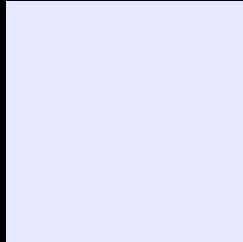
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 80.4676, 82.6536, 106.3204 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

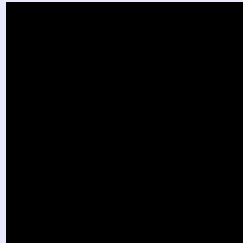
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 80.4676, 82.6536, 106.3204

## Background



This preview shows how black text looks on a background with the XYZ color 80.4676, 82.6536, 106.3204.



This preview shows how white text looks on a background with the XYZ color 80.4676, 82.6536,

106.3204.

# 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

80.4676, 82.6536, 106.3204

### Protanopia

80.7932, 82.8215, 106.3356

### Deuteranopia

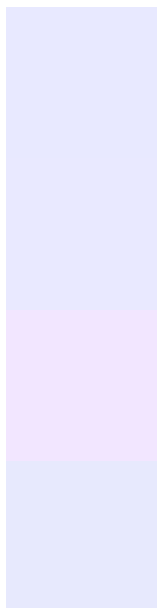
84.1512, 82.4810, 106.0929



## Tritanopia

79.6646, 82.2950, 103.7812

# Trichromacy



## Original Color

80.4676, 82.6536, 106.3204

## Protanomaly

80.7932, 82.8215, 106.3356

## Deuteranomaly

82.9648, 82.6909, 106.1960

## Tritanomaly

79.8235, 82.3586, 104.6182

# Monochromacy



## Original Color

80.4676, 82.6536, 106.3204

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.3815, 82.7489, 95.7927

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 80.4676, 82.6536, 106.3204 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(232, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 233, 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(232, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 80.4676, 82.6536, 106.3204 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(232, 233, 255) }
```



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

```
.border{ border-color:rgb(232, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 80.4676, 82.6536, 106.3204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 233, 255) }
```

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

```
.background{ background-color: rgb(232,  
233, 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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