

Converting Colors

XYZ(80.0917, 80.5958,
105.9430)

Have a look what the booklet for
XYZ(80.0917, 80.5958, 105.9430)
contains.

XYZ(80.3303, 80.9208, 105.9932)	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(80.3303, 80.9208,
105.9932)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE5FF
RGB	235, 229, 255
RGB Percent	92%, 90%, 100%
CMY	0.0784, 0.1019, 0.0000
CMYK	0.08, 0.10, 0.00, 0.00
HSL	254°, 100%, 95%
HSV	254°, 10%, 100%
XYZ	80.3303, 80.9208, 105.9932
YIQ	233.7580, -4.7700, 9.3580

Conversions

Conversions Part 2

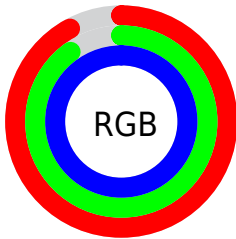
Format	Color
R _Y B	235, 229, 255
Decimal	15459839
CIE Lab	92.10, 6.80, -11.84
CIE LCh	92, 13.656, 299.871
Yxy	80.9208, 0.3006, 0.3028
Android (android.graphics.Color)	4293649919 (0xFFE5E5FF)
YUV	233.7580, 10.4723, 1.0892
Hunter-Lab	89.9560, 1.9767, -6.8909

Details

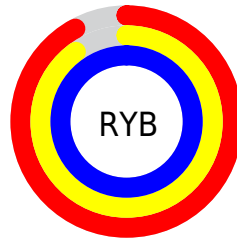
The XYZ color **80.3303, 80.9208, 105.9932** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.9717, 97.3178, 88.2276**, and the grayscale version is **77.9516, 82.0112, 89.3102**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9195, 43.9330, 59.5912** is the 20% darker color. If you saturate the color by 10%, you get **67.6630, 64.6764, 103.5253**, and if you desaturate by 10%, it is **94.7525, 99.6127, 108.8409**.

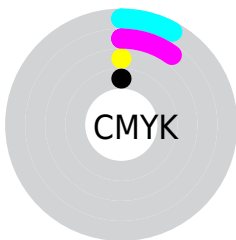
Distribution



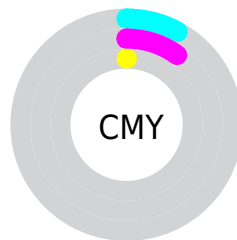
- Red (92%)
- Green (90%)
- Blue (100%)



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



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (8%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.3303, 80.9208, 105.9932 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 80.3303, 80.9208, 105.9932 by changing the saturation by 10% instead.

80.3303, 80.9208,
105.9932

80.3303, 80.9208,
105.9932

484.7649,
498.0306, 600.6513

60.2996, 60.4764,
80.6704

132.7781,
134.6596, 171.4926

43.9105, 43.8027,
59.7408

165.9259,
168.7227, 212.5062

30.7978, 30.5154,
42.7858

204.1768,
208.0941, 259.5872

20.5960, 20.2302,
29.3869

247.8961,
253.1584, 313.1541

12.9398, 12.5625,
19.1256

297.4492,
304.2997, 373.6254

7.4638, 7.1280,
11.5834

353.2015,

3.8027, 3.5422,

361.9026, 441.4196

6.3416

415.5183,
426.3514, 516.9554

■ 1.5911, 1.4210,
2.9817

■ 0.3866, 0.2321,
1.0853

■ 80.3303, 80.9208,
105.9932

■ 80.3303, 80.9208,
105.9932

■ 67.6630, 64.6764,
103.5253

94.7525, 99.6127,
108.8409

■ 56.6760, 50.7675,
101.4197

95.0500, 100.0000,
108.9000

■ 47.2989, 39.0885,
99.6597

■ 39.4537, 29.5213,
98.2265

■ 33.0556, 21.9370,
97.0998

■ 28.0111, 16.1922,
96.2568

■ 24.2150, 12.1236,
95.6716

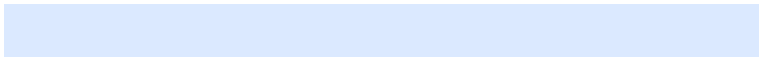
■ 21.5448, 9.5379,
95.3132

■ 19.8434, 8.1445,
95.1339

Harmonies

Analogous

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



76.8976, 80.9208, 108.9302



80.3303, 80.9208, 105.9932



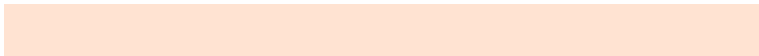
82.9113, 80.9208, 98.1924

Triad

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



80.3303, 80.9208, 105.9932



80.3574, 80.9208, 72.3972



70.3465, 80.9208, 88.0654

Complementary

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



80.3303, 80.9208, 105.9932



88.9717, 97.3178, 88.2276

Split Complementary

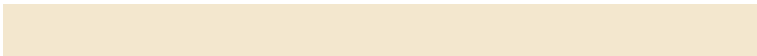
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.2109, 80.9208, 78.7407



80.3303, 80.9208, 105.9932



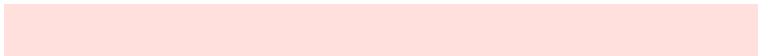
76.9280, 80.9208, 70.1259

Square

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



80.3303, 80.9208, 105.9932



82.9273, 80.9208, 78.8107



73.5936, 80.9208, 72.3589



71.1964, 80.9208, 98.1113

Rectangle

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



80.3303, 80.9208, 105.9932



83.7639, 80.9208, 91.5591



73.5936, 80.9208, 72.3589



70.4458, 80.9208, 84.7466

Sweetspot

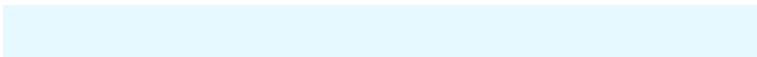
The Sweet Spot groups the original color and five complimentary colors.



80.3325, 80.9241, 105.9937



90.5258, 94.1166, 108.0029



84.3543, 91.8579, 107.8921



19.1233, 19.8165, 23.0670



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.



80.3325, 80.9241, 105.9937



77.9167, 77.8120, 105.5203



84.6528, 83.1514, 106.1959



17.3951, 17.5799, 22.7264



10.4754, 4.3107, 49.7145



1.1106, 0.4664, 4.8448

Inverse Universe

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



86.3602, 84.1413, 101.3144



84.9374, 81.5602, 100.0248



84.6188, 95.0738, 88.0239



18.6029, 18.2245, 21.7917



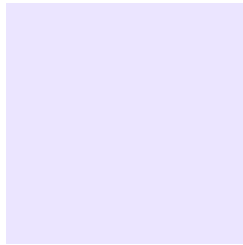
26.8255, 13.2195, 28.7950



2.6534, 1.3037, 3.0223

Previews

White Background



This preview shows how the XYZ color 80.3303, 80.9208, 105.9932 looks on a white background.

Color Contrast Check

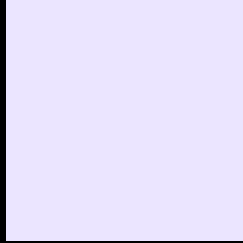
Large Text (above 18pt) WCAG AA × Fail

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 80.3303, 80.9208, 105.9932 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 80.3303, 80.9208, 105.9932

Background



This preview shows how black text looks on a background with the XYZ color 80.3303, 80.9208, 105.9932.



This preview shows how white text looks on a background with the XYZ color 80.3303, 80.9208,

105.9932.

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

80.3303, 80.9208, 105.9932

Protanopia

79.2590, 81.1948, 106.1025

Deuteranopia

82.5546, 80.8458, 105.8614



Tritanopia

79.1718, 80.8634, 100.2423

Trichromacy



Original Color

80.3303, 80.9208, 105.9932

Protanomaly

79.6255, 80.9694, 106.0397

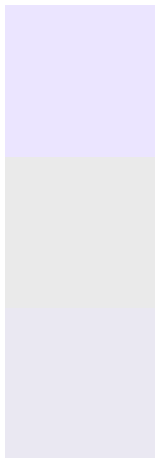
Deuteranomaly

81.7947, 80.8589, 105.9040

Tritanomaly

79.6411, 81.0511, 102.7137

Monochromacy



Original Color

80.3303, 80.9208, 105.9932

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.8153, 81.6165, 95.6039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.3303, 80.9208, 105.9932 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(235, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 229, 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(235, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 229, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.3303, 80.9208, 105.9932 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(235, 229, 255) }
```


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

```
.border{ border-color:rgb(235, 229, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 229,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.3303, 80.9208, 105.9932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 229, 255) }
```

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

```
.background{ background-color: rgb(235,  
229, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor