

Converting Colors

XYZ(45.1215, 31.6329, 83.9633)

Have a look what the booklet for
XYZ(45.1215, 31.6329, 83.9633)
contains.

XYZ(45.1494, 31.6595, 83.8520)	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(45.1494, 31.6595,
83.8520)**

Conversions

Conversions Part 1

Format	Color
Hex	C579ED
RGB	197, 121, 237
RGB Percent	77%, 47%, 93%
CMY	0.2274, 0.5255, 0.0706
CMYK	0.17, 0.49, 0.00, 0.07
HSL	279°, 76%, 70%
HSV	279°, 49%, 93%
XYZ	45.1494, 31.6595, 83.8520
YIQ	156.9480, 8.0600, 52.1880

Conversions

Conversions Part 2

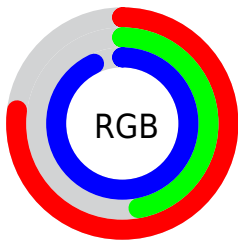
Format	Color
R_{YB}	197, 121, 237
Decimal	12941805
CIE _{Lab}	63.06, 49.35, -47.01
CIE _{LCh}	63, 68.158, 316.391
Yxy	31.6595, 0.2810, 0.1971
Android (android.graphics.Color)	4291131885 (0xFFC579ED)
YUV	156.9480, 39.4656, 35.1256
Hunter-Lab	56.2668, 44.7645, -48.9706

Details

The XYZ color **45.1494, 31.6595, 83.8520** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **48.4342, 69.5266, 28.9576**, and the grayscale version is **31.8513, 33.5100, 36.4924**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **21.4531, 13.2552, 45.1439** is the 20% darker color. If you saturate the color by 10%, you get **40.5331, 25.5172, 82.9102**, and if you desaturate by 10%, it is **50.5914, 39.2789, 85.0364**.

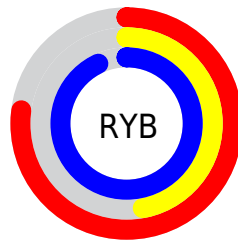
Distribution



Red (77%)

Green (47%)

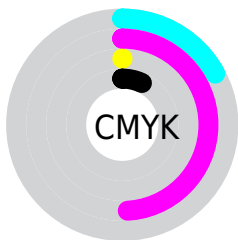
Blue (93%)



Red (77%)

Yellow (47%)

Blue (93%)

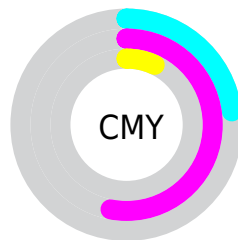


Cyan (17%)

Magenta (49%)

Yellow (0%)

Black (7%)



Cyan (23%)


Magenta (53%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1494, 31.6595, 83.8520 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 45.1494, 31.6595, 83.8520 by changing the saturation by 10% instead.


 45.1494, 31.6595,
83.8520

 45.1494, 31.6595,
83.8520


358.1518,
309.5652, 527.8668


 31.7769, 21.1016,
62.3486


 82.1802, 62.2769,
140.6280

 21.3459, 13.1983,
44.8768


 106.5693, 83.1052,
176.7377

 13.4910, 7.5652,
31.0182


 135.3612,
108.1256, 218.5532

 7.8468, 3.8180,
20.3541

168.9214,
137.7227, 266.4930

 4.0481, 1.5723,
12.4661

207.6152,
172.2809, 320.9757

 1.7294, 0.3388,
6.9356

251.8080,

 0.4745, 0.0000,

212.1844, 382.4199

3.3440

301.8651,
257.8177, 451.2441

■ 0.0000, 0.0000,
1.2728

■ 0.0000, 0.0000,
0.0394

■ 45.1494, 31.6595,
83.8520

■ 45.1494, 31.6595,
83.8520

■ 40.5331, 25.5172,
82.9102

■ 50.5914, 39.2789,
85.0364

■ 36.6845, 20.7417,
82.1913

■ 56.9048, 48.4672,
86.4772

■ 33.5427, 17.2131,
81.6758

■ 64.1358, 59.3133,
88.1895

■ 31.0346, 14.7882,
81.3400

■ 72.3261, 71.8979,
90.1870

■ 29.0509, 13.2508,
81.1478

■ 81.5147, 86.2967,
92.4819

■ 28.8571, 13.1105,
81.1309

■ 89.0649, 97.2338,
94.1950

■ 91.9956, 98.7447,
94.3322

■ 92.2862, 98.8945,
94.3458

Harmonies

Analogous

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



35.4795, 31.6595, 111.6817



45.1494, 31.6595, 83.8520



51.2723, 31.6595, 48.1263

Triad

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



45.1494, 31.6595, 83.8520



34.5428, 31.6595, 4.6817



15.8808, 31.6595, 51.2196

Complementary

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



45.1494, 31.6595, 83.8520



48.4342, 69.5266, 28.9576

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.



15.7331, 31.6595, 23.6802



45.1494, 31.6595, 83.8520



25.2784, 31.6595, 4.8555

Square

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



45.1494, 31.6595, 83.8520



44.3418, 31.6595, 8.9502



18.8199, 31.6595, 9.6924



19.2769, 31.6595, 87.1042

Rectangle

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



45.1494, 31.6595, 83.8520



51.8375, 31.6595, 29.0302



18.8199, 31.6595, 9.6924



15.4783, 31.6595, 40.5541

Sweetspot

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



45.1506, 31.6608, 83.8527



79.3514, 75.5607, 105.0101



36.0223, 35.8806, 85.1483



16.5578, 15.5207, 22.3730



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.



45.1506, 31.6608, 83.8527



47.7176, 29.9453, 97.8728



54.6286, 36.8265, 71.6625



15.1813, 15.0387, 19.0249



15.9013, 7.2333, 44.3010



1.3513, 0.6209, 3.4835

Inverse Universe

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



48.1963, 34.2536, 37.7906



52.2830, 33.6866, 35.3896



42.7868, 66.4807, 34.7751



15.2799, 15.1398, 16.7591



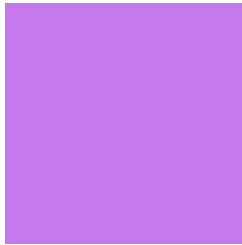
19.9491, 10.1823, 5.5335



1.6103, 0.8171, 0.6653

Previews

White Background



This preview shows how the XYZ color 45.1494, 31.6595, 83.8520 looks on a white background.

Color Contrast Check

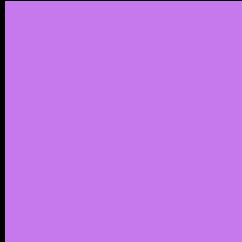
Large Text (above 18pt) WCAG AA × Fail

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 45.1494, 31.6595, 83.8520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

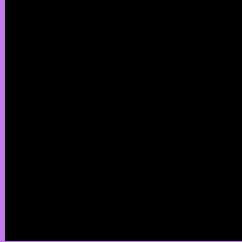
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.1494, 31.6595, 83.8520

Background



This preview shows how black text looks on a background with the XYZ color 45.1494, 31.6595, 83.8520.

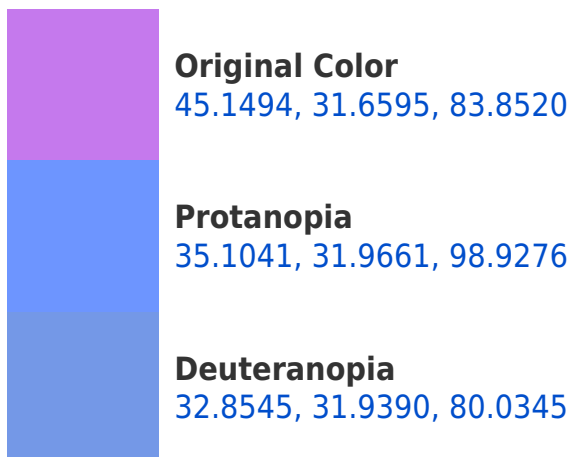


This preview shows how white text looks on a background with the XYZ color 45.1494, 31.6595,

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





Tritanopia

34.9595, 31.5071, 33.9447

Trichromacy



Original Color

45.1494, 31.6595, 83.8520

Protanomaly

37.1604, 30.9053, 92.8137

Deuteranomaly

35.9099, 30.9527, 81.1726

Tritanomaly

38.0586, 31.2879, 48.8330

Monochromacy



Original Color

45.1494, 31.6595, 83.8520

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.8494, 32.2623, 50.7922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1494, 31.6595, 83.8520 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(197, 121, 237)` looks like.

```
.text, #text, p{  
    color:rgb(197, 121, 237)  
}
```

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(197, 121, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 121, 237) }
```

Border

The CSS property to change the border of an element to XYZ 45.1494, 31.6595, 83.8520 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(197, 121, 237) }
```


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

```
.border{ border-color:rgb(197, 121, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 121, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 121, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 121, 237);  
box-shadow:4px 4px 4px 4px rgb(197, 121,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1494, 31.6595, 83.8520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 121, 237) }
```

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

```
.background{ background-color: rgb(197,  
121, 237) }
```

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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