

Converting Colors

XYZ(45.7748, 30.1477, 98.0142)

Have a look what the booklet for
XYZ(45.7748, 30.1477, 98.0142)
contains.

XYZ(45.8365, 30.1458, 98.0106)	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(45.8365, 30.1458,
98.0106)**

Conversions

Conversions Part 1

Format	Color
Hex	C170FF
RGB	193, 112, 255
RGB Percent	76%, 44%, 100%
CMY	0.2431, 0.5608, 0.0000
CMYK	0.24, 0.56, 0.00, 0.00
HSL	274°, 100%, 72%
HSV	274°, 56%, 100%
XYZ	45.8365, 30.1458, 98.0106
YIQ	152.5210, 2.3730, 61.6450

Conversions

Conversions Part 2

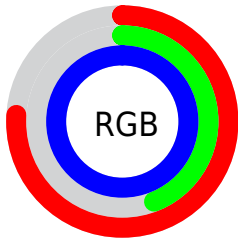
Format	Color
R_{YB}	193, 112, 255
Decimal	12677375
CIE _{Lab}	61.78, 56.84, -59.01
CIE _{LCh}	62, 81.929, 313.929
Yxy	30.1458, 0.2634, 0.1733
Android (android.graphics.Color)	4290867455 (0xFFC170FF)
YUV	152.5210, 50.5221, 35.5001
Hunter-Lab	54.9052, 52.9331, -67.4042

Details

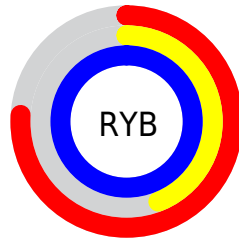
The XYZ color **45.8365, 30.1458, 98.0106** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **56.1404, 81.6886, 28.1388**, and the grayscale version is **29.8588, 31.4138, 34.2096**.

A 20% lighter version of the original color is **72.0136, 55.5529, 101.5350**, and **21.7954, 12.3934, 54.0667** is the 20% darker color. If you saturate the color by 10%, you get **40.6971, 23.8949, 97.0749**, and if you desaturate by 10%, it is **51.9853, 38.1004, 99.2219**.

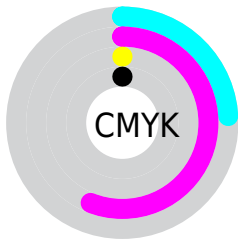
Distribution



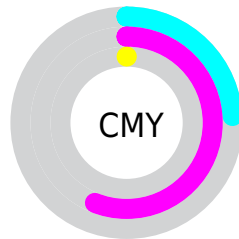
- Red (76%)
- Green (44%)
- Blue (100%)



- Red (76%)
- Yellow (44%)
- Blue (100%)



- Cyan (24%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8365, 30.1458, 98.0106 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 45.8365, 30.1458, 98.0106 by changing the saturation by 10% instead.


 45.8365, 30.1458,
98.0106

 45.8365, 30.1458,
98.0106

360.8779,
302.5835, 574.9876


 32.3209, 19.9493,
74.0326


 83.2036, 59.8927,
160.4485


 21.7635, 12.3582,
54.3237


 107.7858, 80.2118,
199.7455

 13.7988, 6.9881,
38.4656


 136.7876,
104.6740, 244.9859

 8.0616, 3.4547,
26.0396

 170.5744,
133.6635, 296.5882

 4.1866, 1.3735,
16.6273

209.5114,
167.5648, 354.9710

 1.8082, 0.1970,
9.8100

253.9641,

 0.5226, 0.0000,

206.7623, 420.5528

5.1692

304.2978,
251.6404, 493.7521

■ 0.0000, 0.0000,
2.2864

■ 0.0000, 0.0000,
0.7236

■ 45.8365, 30.1458,
98.0106

■ 45.8365, 30.1458,
98.0106

■ 40.6971, 23.8949,
97.0749

■ 51.9853, 38.1004,
99.2219

■ 36.4899, 19.2036,
96.3912

■ 59.2057, 47.8799,
100.7290

■ 33.1304, 15.9086,
95.9322

■ 67.5583, 59.5981,
102.5506

■ 30.5130, 13.8061,
95.6644

■ 77.0978, 73.3582,
104.7038

■ 29.6292, 13.1893,
95.5919

■ 87.8753, 89.2560,
107.2044

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



34.0126, 30.1458, 132.6828



45.8365, 30.1458, 98.0106



53.9489, 30.1458, 52.4528

Triad

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



45.8365, 30.1458, 98.0106



34.8700, 30.1458, 2.3112



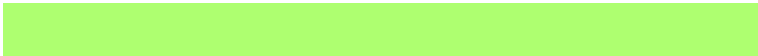
12.7178, 30.1458, 49.5398

Complementary

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



45.8365, 30.1458, 98.0106



56.1404, 81.6886, 28.1388

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.



12.8365, 30.1458, 18.8276



45.8365, 30.1458, 98.0106



23.8877, 30.1458, 2.2133

Square

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



45.8365, 30.1458, 98.0106



46.6001, 30.1458, 6.2775



16.4104, 30.1458, 5.7644



16.0305, 30.1458, 94.7505

Rectangle

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



45.8365, 30.1458, 98.0106



55.1340, 30.1458, 28.8714



16.4104, 30.1458, 5.7644



12.3900, 30.1458, 37.1210

Sweetspot

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



45.8376, 30.1469, 98.0108



76.1664, 72.0002, 104.4908



40.3269, 41.8538, 100.5609



15.8765, 14.7916, 22.2682



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.



45.8376, 30.1469, 98.0108



40.2710, 23.3989, 97.0017



63.9546, 39.6171, 92.9612



17.9878, 17.8854, 22.7541



15.6564, 6.9816, 49.9570



1.6497, 0.7444, 4.8700

Inverse Universe

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



54.6745, 35.9051, 44.0932



50.6127, 30.1003, 35.5907



45.7815, 76.3006, 29.8156



18.3364, 18.1179, 20.3885



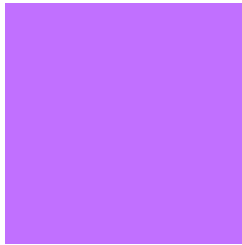
23.1069, 11.7321, 9.2135



2.3034, 1.1637, 1.1793

Previews

White Background



This preview shows how the XYZ color 45.8365, 30.1458, 98.0106 looks on a white background.

Color Contrast Check

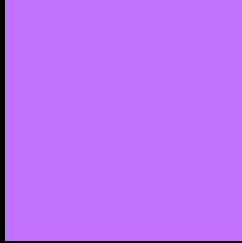
Large Text (above 18pt) WCAG AA × Fail

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 45.8365, 30.1458, 98.0106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

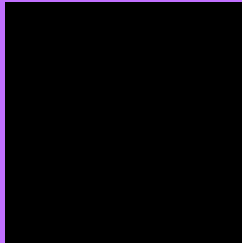
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8365, 30.1458, 98.0106

Background



This preview shows how black text looks on a background with the XYZ color 45.8365, 30.1458, 98.0106.

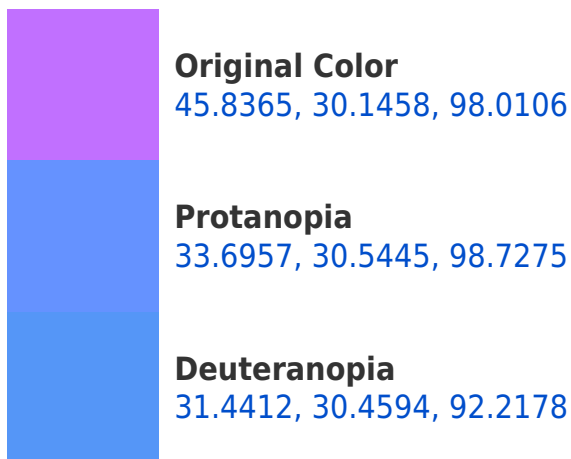


This preview shows how white text looks on a background with the XYZ color 45.8365, 30.1458,

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

32.5623, 30.0721, 32.9424

Trichromacy



Original Color

45.8365, 30.1458, 98.0106



Protanomaly

36.4066, 29.3385, 98.3518



Deuteranomaly

34.3717, 28.7955, 94.1890



Tritanomaly

36.3511, 29.5412, 51.3631

Monochromacy



Original Color

45.8365, 30.1458, 98.0106



Achromatopsia

30.2779, 31.8547, 34.6897



Achromatomaly

34.5312, 30.2195, 52.7282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8365, 30.1458, 98.0106 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(193, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 112, 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(193, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.8365, 30.1458, 98.0106 is called "border". The border property can be set on classes, ids or directly on the HTML element.

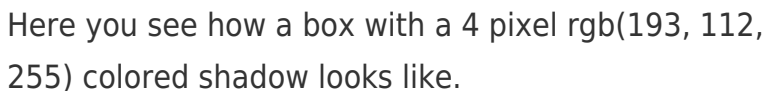
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 112, 255) }
```


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

```
.border{ border-color:rgb(193, 112, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8365, 30.1458, 98.0106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 112, 255) }
```

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

```
.background{ background-color: rgb(193,  
112, 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