

Converting Colors

XYZ(45.9901, 45.1878, 64.0542)

Have a look what the booklet for
XYZ(45.9901, 45.1878, 64.0542)
contains.

XYZ(45.8779, 45.1350, 64.0515)	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(45.8779, 45.1350,
64.0515)**

Conversions

Conversions Part 1

Format	Color
Hex	B7AFCD
RGB	183, 175, 205
RGB Percent	72%, 69%, 80%
CMY	0.2823, 0.3137, 0.1961
CMYK	0.11, 0.15, 0.00, 0.20
HSL	256°, 23%, 75%
HSV	256°, 15%, 80%
XYZ	45.8779, 45.1350, 64.0515
YIQ	180.8120, -4.8620, 11.0260

Conversions

Conversions Part 2

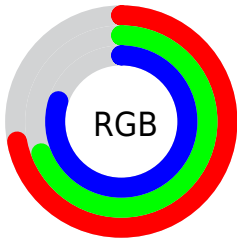
Format	Color
R _Y B	183, 175, 205
Decimal	12038093
CIE Lab	72.98, 8.68, -14.16
CIE LCh	73, 16.611, 301.496
Yxy	45.1350, 0.2959, 0.2911
Android (android.graphics.Color)	4290228173 (0xFFB7AFCD)
YUV	180.8120, 11.9247, 1.9189
Hunter-Lab	67.1826, 4.3252, -9.4989

Details

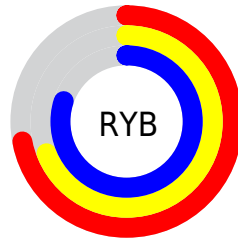
The XYZ color **45.8779, 45.1350, 64.0515** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.5966, 58.6292, 49.1040**, and the grayscale version is **43.7601, 46.0391, 50.1366**.

A 20% lighter version of the original color is **82.2225, 82.7226, 106.2412**, and **21.8748, 21.1461, 32.2068** is the 20% darker color. If you saturate the color by 10%, you get **38.8001, 36.0070, 62.6634**, and if you desaturate by 10%, it is **53.9461, 55.6751, 65.6614**.

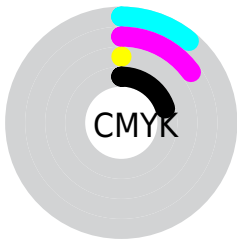
Distribution



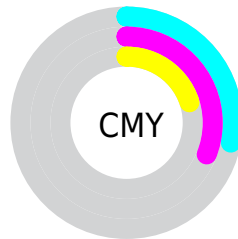
- Red (72%)
- Green (69%)
- Blue (80%)



- Red (72%)
- Yellow (69%)
- Blue (80%)



- Cyan (11%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (28%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8779, 45.1350, 64.0515 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 45.8779, 45.1350, 64.0515 by changing the saturation by 10% instead.

■ 45.8779, 45.1350,
64.0515

■ 45.8779, 45.1350,
64.0515

361.0417,
367.3200, 457.5882

■ 32.3537, 31.5638,
46.2459

■ 83.2652, 82.9230,
112.2853

■ 21.7887, 21.0285,
32.0899

107.8590,
107.9085, 143.5506

■ 13.8174, 13.1449,
21.1648

136.8735,
137.4676, 180.1395

■ 8.0746, 7.5284,
13.0521

170.6738,
171.9846, 222.4707

■ 4.1950, 3.7947,
7.3333

209.6254,
211.8439, 270.9626

■ 1.8130, 1.5594,
3.5898

254.0937,

■ 0.5255, 0.3300,

257.4300, 326.0338

1.4031

304.4441,
309.1273, 388.1028

■ 0.0000, 0.0000,
0.1441

■ 0.0000, 0.0000,
0.0000

■ 45.8779, 45.1350,
64.0515

■ 45.8779, 45.1350,
64.0515

■ 38.8001, 36.0070,
62.6634

■ 53.9461, 55.6751,
65.6614

■ 32.6695, 28.2249,
61.4844

■ 63.0376, 67.6785,
67.4991

■ 27.4456, 21.7255,
60.5052

■ 73.1887, 81.2008,
69.5742

■ 23.0833, 16.4382,
59.7146

■ 83.7898, 95.0073,
71.6804

■ 19.5334, 12.2855,
59.1001

■ 88.0196, 97.1878,
71.8783

■ 16.7413, 9.1807,
58.6480

■ 14.6452, 7.0240,
58.3422

■ 13.1718, 5.6951,
58.1633

■ 12.5765, 5.2104,
58.1012

Harmonies

Analogous

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



43.0451, 45.1350, 66.8920



45.8779, 45.1350, 64.0515



47.9866, 45.1350, 57.1630

Triad

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



45.8779, 45.1350, 64.0515



45.6149, 45.1350, 36.4084



37.5651, 45.1350, 49.5622

Complementary

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



45.8779, 45.1350, 64.0515



52.5966, 58.6292, 49.1040

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.



38.1852, 45.1350, 41.9130



45.8779, 45.1350, 64.0515



42.7541, 45.1350, 34.8512

Square

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



45.8779, 45.1350, 64.0515



47.8300, 45.1350, 41.2673



40.0528, 45.1350, 36.7506



38.3200, 45.1350, 57.9649

Rectangle

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



45.8779, 45.1350, 64.0515



48.6517, 45.1350, 51.5431



40.0528, 45.1350, 36.7506



37.6195, 45.1350, 46.8212

Sweetspot

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



45.8793, 45.1369, 64.0525



89.1832, 92.2726, 107.7177



48.7801, 53.6831, 65.5492



18.8593, 19.4486, 23.0099



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.



45.8793, 45.1369, 64.0525



70.7969, 68.2953, 104.0587



49.5079, 47.0075, 64.2223



10.8777, 10.9862, 14.1176



7.9070, 3.2838, 36.1734



0.4816, 0.2074, 1.8696

Inverse Universe

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



50.5863, 47.6722, 59.3607



80.2067, 73.3667, 94.5395



48.9804, 56.7650, 48.9347



11.5549, 11.3507, 13.4567



19.1590, 9.4742, 19.0877



1.0188, 0.5009, 1.1448

Previews

White Background



This preview shows how the XYZ color 45.8779, 45.1350, 64.0515 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 45.8779, 45.1350, 64.0515 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

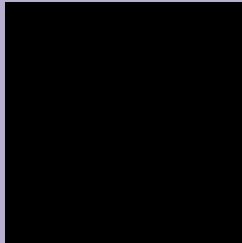
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8779, 45.1350, 64.0515

Background



This preview shows how black text looks on a background with the XYZ color 45.8779, 45.1350, 64.0515.



This preview shows how white text looks on a background with the XYZ color 45.8779, 45.1350,

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

45.8779, 45.1350, 64.0515

Protanopia

44.6384, 45.3445, 65.4311

Deuteranopia

46.1166, 45.2581, 64.0627



Tritanopia

44.1822, 45.0296, 55.6532

Trichromacy



Original Color

45.8779, 45.1350, 64.0515

Protanomaly

44.9942, 45.2476, 64.7547

Deuteranomaly

46.1166, 45.2581, 64.0627

Tritanomaly

44.7805, 44.9813, 58.5466

Monochromacy



Original Color

45.8779, 45.1350, 64.0515

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.7058, 45.9030, 55.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8779, 45.1350, 64.0515 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(183, 175, 205)` looks like.

```
.text, #text, p{  
    color:rgb(183, 175, 205)  
}
```

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(183, 175, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 175, 205) }
```

Border

The CSS property to change the border of an element to XYZ 45.8779, 45.1350, 64.0515 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(183, 175, 205) }
```


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

```
.border{ border-color:rgb(183, 175, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 175, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 175, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 175, 205);  
box-shadow:4px 4px 4px 4px rgb(183, 175,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8779, 45.1350, 64.0515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 175, 205) }
```

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

```
.background{ background-color: rgb(183,  
175, 205) }
```

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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