

Converting Colors

XYZ(49.5986, 45.8206, 80.3322)

Have a look what the booklet for
XYZ(49.5986, 45.8206, 80.3322)
contains.

XYZ(49.6344, 45.8536, 80.3633)	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(49.6344, 45.8536,
80.3633)**

Conversions

Conversions Part 1

Format	Color
Hex	BCACE5
RGB	188, 172, 229
RGB Percent	74%, 67%, 90%
CMY	0.2627, 0.3255, 0.1020
CMYK	0.18, 0.25, 0.00, 0.10
HSL	257°, 52%, 79%
HSV	257°, 25%, 90%
XYZ	49.6344, 45.8536, 80.3633
YIQ	183.2820, -8.7610, 21.1190

Conversions

Conversions Part 2

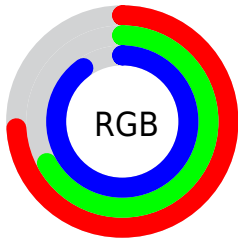
Format	Color
RYB	188, 172, 229
Decimal	12365029
CIELab	73.45, 17.08, -26.52
CIELCh	73, 31.542, 302.783
Yxy	45.8536, 0.2823, 0.2608
Android (android.graphics.Color)	4290555109 (0xFFBCACE5)
YUV	183.2820, 22.5390, 4.1377
Hunter-Lab	67.7153, 12.3364, -22.9636

Details

The XYZ color **49.6344, 45.8536, 80.3633** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.9078, 73.1644, 49.8384**, and the grayscale version is **45.0493, 47.3954, 51.6136**.

A 20% lighter version of the original color is **83.1753, 81.5706, 105.9686**, and **24.0908, 21.5184, 42.4189** is the 20% darker color. If you saturate the color by 10%, you get **41.8171, 35.9026, 78.8553**, and if you desaturate by 10%, it is **58.6688, 57.5491, 82.1453**.

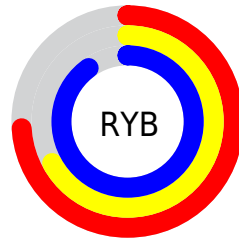
Distribution



Red (74%)

Green (67%)

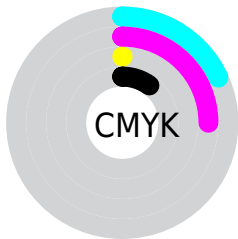
Blue (90%)



Red (74%)

Yellow (67%)

Blue (90%)

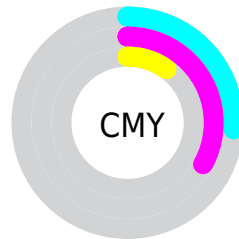


Cyan (18%)

Magenta (25%)

Yellow (0%)

Black (10%)



Cyan (26%)

Magenta (33%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6344, 45.8536, 80.3633 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 49.6344, 45.8536, 80.3633 by changing the saturation by 10% instead.

■ 49.6344, 45.8536,
80.3633

■ 49.6344, 45.8536,
80.3633

375.7102,
370.2198, 515.8954

■ 35.3396, 32.1303,
59.4894

■ 88.8280, 83.9999,
135.6924

■ 24.0923, 21.4611,
42.5846

114.4575,
109.1916, 170.9847

■ 15.5272, 13.4614,
29.2304

144.5960,
138.9750, 211.9203

■ 9.2790, 7.7471,
19.0081

179.6088,
173.7343, 258.9176

■ 4.9821, 3.9335,
11.4992

219.8613,
213.8541, 312.3952

■ 2.2714, 1.6364,
6.2853

265.7187,

■ 0.7800, 0.3820,

259.7187, 372.7717

2.9478

317.5466,
311.7124, 440.4656

■ 0.0000, 0.0000,
1.0680

■ 0.0000, 0.0000,
0.0000

■ 49.6344, 45.8536,
80.3633

■ 49.6344, 45.8536,
80.3633

■ 41.8171, 35.9026,
78.8553

■ 58.6688, 57.5491,
82.1453

■ 35.1585, 27.6054,
77.6047

■ 68.9664, 71.0624,
84.2109

■ 29.6018, 20.8716,
76.5979

■ 80.5762, 86.4698,
86.5730

■ 25.0833, 15.5996,
75.8184

■ 90.7365, 98.2276,
88.3069

■ 21.5323, 11.6757,
75.2482

■ 91.1430, 98.4372,
88.3260

■ 18.8683, 8.9682,
74.8660

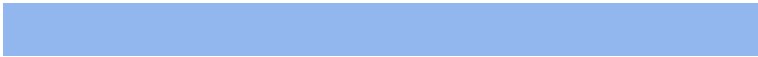
■ 16.9955, 7.3176,
74.6461

■ 16.2754, 6.7565,
74.5758

Harmonies

Analogous

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



44.1039, 45.8536, 87.2001



49.6344, 45.8536, 80.3633



53.8033, 45.8536, 65.2887

Triad

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



49.6344, 45.8536, 80.3633



48.6599, 45.8536, 27.3394



33.7480, 45.8536, 51.4289

Complementary

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



49.6344, 45.8536, 80.3633



62.9078, 73.1644, 49.8384

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.



34.7457, 45.8536, 37.1859



49.6344, 45.8536, 80.3633



43.0652, 45.8536, 25.1543

Square

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



49.6344, 45.8536, 80.3633



53.2078, 45.8536, 35.1091



38.0436, 45.8536, 28.3470



35.1941, 45.8536, 68.4181

Rectangle

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



49.6344, 45.8536, 80.3633



55.0786, 45.8536, 53.8749



38.0436, 45.8536, 28.3470



33.8089, 45.8536, 46.1764

Sweetspot

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



49.6359, 45.8555, 80.3643



85.0506, 86.7809, 106.8755



55.1536, 62.4212, 83.2710



18.0281, 18.3427, 22.8403



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.



49.6359, 45.8555, 80.3643



57.8821, 51.5357, 101.5044



57.1272, 49.7174, 80.7149



13.9607, 14.0820, 18.1266



9.4066, 3.9152, 42.6431



0.7836, 0.3349, 3.1553

Inverse Universe

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



59.0773, 50.9691, 69.6771



72.0436, 59.2135, 85.1189



55.5472, 69.3699, 49.4939



14.8135, 14.5426, 17.2184



22.3976, 11.0933, 21.5205



1.6942, 0.8354, 1.7964

Previews

White Background



This preview shows how the XYZ color 49.6344, 45.8536, 80.3633 looks on a white background.

Color Contrast Check

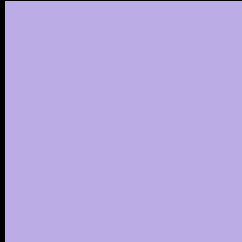
Large Text (above 18pt) WCAG AA × Fail

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 49.6344, 45.8536, 80.3633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

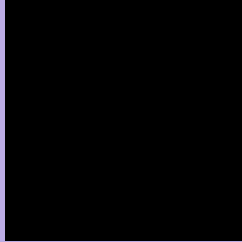
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6344, 45.8536, 80.3633

Background



This preview shows how black text looks on a background with the XYZ color 49.6344, 45.8536, 80.3633.



This preview shows how white text looks on a background with the XYZ color 49.6344, 45.8536,

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

49.6344, 45.8536, 80.3633

Protanopia

46.4976, 45.8883, 84.2485

Deuteranopia

46.9593, 45.9300, 79.7891



Tritanopia

45.0371, 46.0355, 56.9641

Trichromacy



Original Color

49.6344, 45.8536, 80.3633

Protanomaly

47.5464, 45.8755, 82.6928

Deuteranomaly

47.6937, 45.7264, 79.7111

Tritanomaly

46.4331, 45.6972, 64.7657

Monochromacy



Original Color

49.6344, 45.8536, 80.3633

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.5530, 46.7246, 61.2087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6344, 45.8536, 80.3633 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(188, 172, 229)` looks like.

```
.text, #text, p{  
    color:rgb(188, 172, 229)  
}
```

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(188, 172, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 172, 229) }
```

Border

The CSS property to change the border of an element to XYZ 49.6344, 45.8536, 80.3633 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(188, 172, 229) }
```


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

```
.border{ border-color:rgb(188, 172, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 172, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 172, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 172, 229);  
box-shadow:4px 4px 4px 4px rgb(188, 172,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6344, 45.8536, 80.3633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 172, 229) }
```

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

```
.background{ background-color: rgb(188,  
172, 229) }
```

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