

Converting Colors

XYZ(45.3811, 45.8163, 36.4346)

Have a look what the booklet for
XYZ(45.3811, 45.8163, 36.4346)
contains.

XYZ(45.3625, 45.7681, 36.5803)	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(45.3625, 45.7681,
36.5803)**

Conversions

Conversions Part 1

Format	Color
Hex	C9B099
RGB	201, 176, 153
RGB Percent	79%, 69%, 60%
CMY	0.2118, 0.3098, 0.4000
CMYK	0.00, 0.12, 0.24, 0.21
HSL	29°, 31%, 69%
HSV	29°, 24%, 79%
XYZ	45.3625, 45.7681, 36.5803
YIQ	180.8530, 22.2830, -1.8530

Conversions

Conversions Part 2

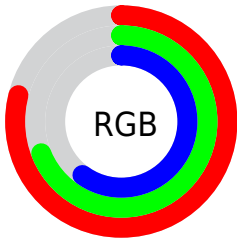
Format	Color
R_{YB}	201, 197, 153
Decimal	13217945
CIE _{Lab}	73.39, 5.42, 15.09
CIE _{LCh}	73, 16.037, 70.250
Yxy	45.7681, 0.3552, 0.3584
Android (android.graphics.Color)	4291408025 (0xFFC9B099)
YUV	180.8530, -13.7315, 17.6689
Hunter-Lab	67.6521, 1.2976, 15.2977

Details

The XYZ color **45.3625, 45.7681, 36.5803** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **39.5996, 42.8290, 61.4382**, and the grayscale version is **43.9060, 46.1925, 50.3036**.

A 20% lighter version of the original color is **81.3591, 83.4782, 70.8563**, and **21.4600, 21.4856, 15.5864** is the 20% darker color. If you saturate the color by 10%, you get **41.8667, 41.2131, 27.9029**, and if you desaturate by 10%, it is **49.2987, 50.7557, 46.7852**.

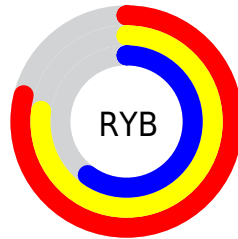
Distribution



Red (79%)

Green (69%)

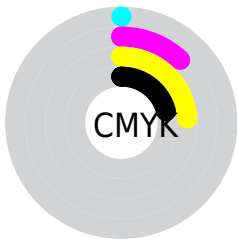
Blue (60%)



Red (79%)

Yellow (77%)

Blue (60%)

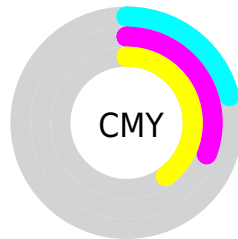


Cyan (0%)

Magenta (12%)

Yellow (24%)

Black (21%)



Cyan (21%)


Magenta (31%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3625, 45.7681, 36.5803 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 45.3625, 45.7681, 36.5803 by changing the saturation by 10% instead.

 45.3625, 45.7681,
36.5803

 45.3625, 45.7681,
36.5803


358.9988,
369.8755, 346.6037

 31.9455, 32.0629,
24.5895


 82.4978, 83.8718,
71.1059

 21.4753, 21.4095,
15.5552


 106.9469,
109.0391, 94.4778

 13.5863, 13.4237,
9.0590


135.8041,
138.7959, 122.4804

 7.9133, 7.7209,
4.6824

169.4347,
173.5265, 155.5323

 4.0908, 3.9169,
2.0067

208.2041,
213.6154, 194.0520

 1.7536, 1.6272,
0.5594

252.4777,

 0.4895, 0.3758,

259.4469, 238.4581

0.0000

302.6208,
311.4055, 289.1692

■ 0.0000, 0.0000,
0.0000

■ 45.3625, 45.7681,
36.5803

■ 45.3625, 45.7681,
36.5803

■ 41.8667, 41.2131,
27.9029

■ 49.2987, 50.7557,
46.7852

■ 38.7901, 37.0717,
20.6753

■ 53.6881, 56.1817,
58.5845

■ 36.1151, 33.3326,
14.8171

■ 58.5474, 62.0597,
72.0446

■ 33.8209, 29.9814,
10.2387

■ 63.8915, 68.4008,
87.2272

■ 31.8850, 27.0027,
6.8399

■ 69.7343, 75.2156,
104.1908

■ 30.2815, 24.3796,
4.5050

■ 72.9476, 81.2578,
106.4473

■ 28.9797, 22.0929,
3.0945

■ 76.0980, 87.5586,
107.4975

■ 28.3005, 20.8436,
2.5316

■ 77.8975, 91.1576,
108.0973

Harmonies

Analogous

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



47.7797, 45.7681, 40.4436



45.3625, 45.7681, 36.5803



42.5418, 45.7681, 36.0404

Triad

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



45.3625, 45.7681, 36.5803



38.3723, 45.7681, 52.6533



47.1058, 45.7681, 62.6737

Complementary

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



45.3625, 45.7681, 36.5803



39.5996, 42.8290, 61.4382

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.



44.4749, 45.7681, 66.7614



45.3625, 45.7681, 36.5803



39.4860, 45.7681, 60.5752

Square

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



45.3625, 45.7681, 36.5803



38.5869, 45.7681, 44.7600



41.6915, 45.7681, 65.9544



48.8160, 45.7681, 55.2770

Rectangle

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



45.3625, 45.7681, 36.5803



40.8219, 45.7681, 37.5681



41.6915, 45.7681, 65.9544



46.2952, 45.7681, 64.5148

Sweetspot

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



45.3637, 45.7702, 36.5813



89.4140, 93.1152, 93.4961



43.5753, 38.4391, 47.5593



19.0383, 19.8073, 19.7420



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.



45.3637, 45.7702, 36.5813



74.2674, 73.9618, 54.1047



50.3530, 55.7488, 38.2444



11.0462, 11.4616, 11.1929



17.8849, 13.2869, 1.6220



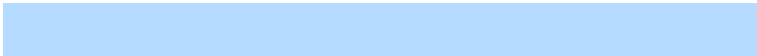
0.9193, 0.7740, 0.1009

Inverse Universe

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



39.5996, 42.8290, 61.4382



62.5955, 68.0051, 104.4349



35.3349, 34.2998, 60.0167



10.5060, 11.1860, 13.5229



9.8762, 9.1463, 35.9892



0.5399, 0.5776, 1.7282

Previews

White Background



This preview shows how the XYZ color 45.3625, 45.7681, 36.5803 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 45.3625, 45.7681, 36.5803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

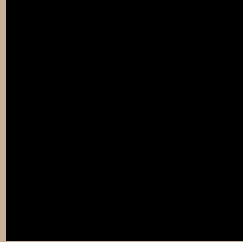
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.3625, 45.7681, 36.5803

Background



This preview shows how black text looks on a background with the XYZ color 45.3625, 45.7681, 36.5803.



This preview shows how white text looks on a background with the XYZ color 45.3625, 45.7681,

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

45.3625, 45.7681, 36.5803

Protanopia

43.2239, 45.8279, 37.5779

Deuteranopia

46.6179, 45.8374, 36.5275



Tritanopia

48.4967, 45.6077, 52.1461

Trichromacy



Original Color

45.3625, 45.7681, 36.5803

Protanomaly

43.9452, 45.9107, 37.1174

Deuteranomaly

46.2566, 45.9390, 36.5661

Tritanomaly

47.3882, 45.7416, 45.8666

Monochromacy



Original Color

45.3625, 45.7681, 36.5803

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.2098, 45.8718, 45.0521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3625, 45.7681, 36.5803 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(201, 176, 153)` looks like.

```
.text, #text, p{  
    color:rgb(201, 176, 153)  
}
```

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(201, 176, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 176, 153) }
```

Border

The CSS property to change the border of an element to XYZ 45.3625, 45.7681, 36.5803 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(201, 176, 153) }
```


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

```
.border{ border-color:rgb(201, 176, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 176, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 176, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 176, 153);  
box-shadow:4px 4px 4px 4px rgb(201, 176,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3625, 45.7681, 36.5803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 176, 153) }
```

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

```
.background{ background-color: rgb(201,  
176, 153) }
```

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