

Converting Colors

XYZ(45.8198, 43.1962, 24.0119)

Have a look what the booklet for
XYZ(45.8198, 43.1962, 24.0119)
contains.

XYZ(45.8198, 43.1962, 24.0119)	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(45.8198, 43.1962,
24.0119)**

Conversions

Conversions Part 1

Format	Color
Hex	DAA579
RGB	218, 165, 121
RGB Percent	85%, 65%, 47%
CMY	0.1451, 0.3529, 0.5255
CMYK	0.00, 0.24, 0.44, 0.15
HSL	27°, 57%, 66%
HSV	27°, 44%, 85%
XYZ	45.8198, 43.1962, 24.0119
YIQ	175.8310, 45.7120, -2.4480

Conversions

Conversions Part 2

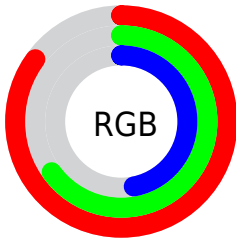
Format	Color
R_{YB}	218, 202, 121
Decimal	14329209
CIE _{Lab}	71.69, 14.08, 30.35
CIE _{LCh}	72, 33.462, 65.107
Yxy	43.1962, 0.4054, 0.3822
Android (android.graphics.Color)	4292519289 (0xFFDAA579)
YUV	175.8310, -27.0317, 36.9822
Hunter-Lab	65.7238, 9.4258, 24.3453

Details

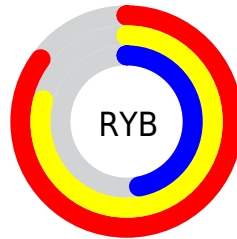
The XYZ color **45.8198, 43.1962, 24.0119** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **35.6755, 39.3975, 72.0538**, and the grayscale version is **41.2994, 43.4502, 47.3173**.

A 20% lighter version of the original color is **74.4732, 75.5024, 50.6927**, and **21.7728, 19.8552, 8.8158** is the 20% darker color. If you saturate the color by 10%, you get **42.5821, 38.6239, 17.0658**, and if you desaturate by 10%, it is **49.5619, 48.2937, 32.6173**.

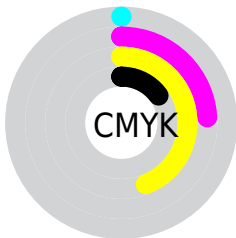
Distribution



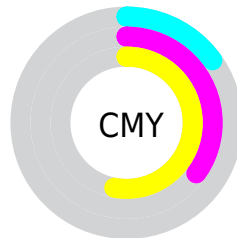
- Red (85%)
- Green (65%)
- Blue (47%)



- Red (85%)
- Yellow (79%)
- Blue (47%)



- Cyan (0%)
- Magenta (24%)
- Yellow (44%)
- Black (15%)





- Cyan (15%)
- Magenta (35%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.8198, 43.1962, 24.0119 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 45.8198, 43.1962, 24.0119 by changing the saturation by 10% instead.


 45.8198, 43.1962,
24.0119

 45.8198, 43.1962,
24.0119


360.8118,
359.4180, 286.1691


 32.3077, 30.0391,
15.1302


 83.1788, 80.0068,
50.9937

 21.7533, 19.8683,
8.7632


 107.7563,
104.4292, 69.9308

 13.7913, 12.2993,
4.4923

 136.7530,
133.3754, 93.0569

 8.0564, 6.9479,
1.8991

170.5343,
167.2298, 120.7903

 4.1832, 3.4295,
0.4922

209.4654,
206.3769, 153.5497

 1.8063, 1.3599,
0.0000

253.9118,

 0.5214, 0.1869,

251.2010, 191.7536

0.0000

304.2388,
302.0866, 235.8206

■ 0.0000, 0.0000,
0.0000

■ 45.8198, 43.1962,
24.0119

■ 45.8198, 43.1962,
24.0119

■ 42.5821, 38.6239,
17.0658

■ 49.5619, 48.2937,
32.6173

■ 39.8194, 34.5514,
11.6661

■ 53.8290, 53.9280,
42.9795

■ 37.5041, 30.9601,
7.6897

■ 58.6444, 60.1182,
55.1916

■ 35.6032, 27.8275,
4.9932

■ 64.0289, 66.8803,
69.3391

■ 34.0778, 25.1280,
3.4020

■ 70.0021, 74.2298,
85.5023

■ 33.3656, 23.8097,
2.8372

■ 76.5828, 82.1814,
103.7569

■ 80.6469, 89.4925,
107.6310

■ 82.7234, 93.6454,
108.3231

Harmonies

Analogous

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



50.6391, 43.1962, 31.2622



45.8198, 43.1962, 24.0119



40.0936, 43.1962, 22.2811

Triad

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



45.8198, 43.1962, 24.0119



31.1251, 43.1962, 49.8684



47.6526, 43.1962, 77.4866

Complementary

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



45.8198, 43.1962, 24.0119



35.6755, 39.3975, 72.0538

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.



42.0350, 43.1962, 85.5000



45.8198, 43.1962, 24.0119



32.7665, 43.1962, 67.3767

Square

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



45.8198, 43.1962, 24.0119



31.9384, 43.1962, 35.0747



36.6357, 43.1962, 81.4294



51.7637, 43.1962, 61.4412

Rectangle

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



45.8198, 43.1962, 24.0119



36.6014, 43.1962, 24.0434



36.6357, 43.1962, 81.4294



45.8596, 43.1962, 81.3583

Sweetspot

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



45.8209, 43.1983, 24.0128



84.6567, 87.0299, 81.3384



43.4252, 31.6502, 44.0442



17.7725, 18.1869, 16.5112



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.



45.8209, 43.1983, 24.0128



61.1779, 55.7261, 25.2534



56.1967, 63.9499, 27.4714



13.5401, 14.0196, 13.7180



20.0940, 14.4736, 1.7346



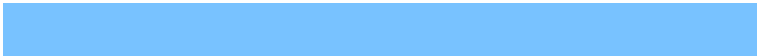
1.3871, 1.1084, 0.1408

Inverse Universe

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



35.6755, 39.3975, 72.0538



44.9974, 49.6472, 101.8190



27.9821, 24.0108, 69.4893



12.9253, 13.7903, 16.6327



11.6500, 11.1695, 41.2803



0.8405, 0.8950, 2.7029

Previews

White Background



This preview shows how the XYZ color 45.8198, 43.1962, 24.0119 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 45.8198, 43.1962, 24.0119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

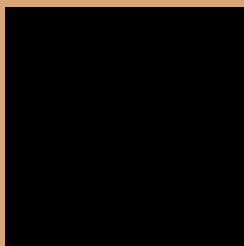
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.8198, 43.1962, 24.0119

Background



This preview shows how black text looks on a background with the XYZ color 45.8198, 43.1962, 24.0119.



This preview shows how white text looks on a background with the XYZ color 45.8198, 43.1962,

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

45.8198, 43.1962, 24.0119

Protanopia

40.5264, 43.5042, 25.9998

Deuteranopia

43.9711, 43.0630, 23.7638



Tritanopia

50.0090, 43.0820, 44.2080

Trichromacy



Original Color

45.8198, 43.1962, 24.0119

Protanomaly

42.2100, 43.2396, 25.1902

Deuteranomaly

44.6495, 43.1396, 23.7428

Tritanomaly

48.3134, 43.1618, 35.9217

Monochromacy



Original Color

45.8198, 43.1962, 24.0119

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.2391, 42.9817, 37.5225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8198, 43.1962, 24.0119 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(218, 165, 121)` looks like.

```
.text, #text, p{  
    color:rgb(218, 165, 121)  
}
```

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(218, 165, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 165, 121) }
```

Border

The CSS property to change the border of an element to XYZ 45.8198, 43.1962, 24.0119 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(218, 165, 121) }
```


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

```
.border{ border-color:rgb(218, 165, 121) }
```

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

Here you see how a box with a 4 pixel rgb(218, 165, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 165, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 165, 121);  
box-shadow:4px 4px 4px 4px rgb(218, 165,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8198, 43.1962, 24.0119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 165, 121) }
```

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

```
.background{ background-color: rgb(218,  
165, 121) }
```

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