

Converting Colors

XYZ(50.5869, 45.5247, 23.3911)

Have a look what the booklet for
XYZ(50.5869, 45.5247, 23.3911)
contains.

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Color

**XYZ(50.4772, 45.3513,
23.2328)**

Conversions

Conversions Part 1

Format	Color
Hex	EAA476
RGB	234, 164, 118
RGB Percent	92%, 64%, 46%
CMY	0.0824, 0.3568, 0.5372
CMYK	0.00, 0.30, 0.50, 0.08
HSL	24°, 73%, 69%
HSV	24°, 50%, 92%
XYZ	50.4772, 45.3513, 23.2328
YIQ	179.6860, 56.4860, 0.5340

Conversions

Conversions Part 2

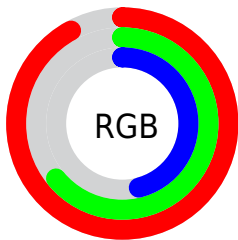
Format	Color
R_{YB}	234, 194, 118
Decimal	15377526
CIE _{Lab}	73.12, 20.76, 34.15
CIE _{LCh}	73, 39.962, 58.705
Yxy	45.3513, 0.4240, 0.3809
Android (android.graphics.Color)	4293567606 (0xFFEAA476)
YUV	179.6860, -30.4112, 47.6334
Hunter-Lab	67.3434, 15.9437, 26.6859

Details

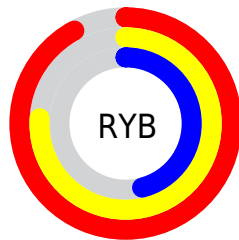
The XYZ color **50.4772, 45.3513, 23.2328** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.3050, 45.7568, 84.5495**, and the grayscale version is **43.3517, 45.6093, 49.6686**.

A 20% lighter version of the original color is **73.9222, 74.8633, 49.0820**, and **24.5475, 21.1320, 8.4153** is the 20% darker color. If you saturate the color by 10%, you get **46.8674, 40.0878, 15.9993**, and if you desaturate by 10%, it is **54.7147, 51.3183, 32.3779**.

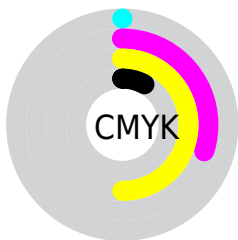
Distribution



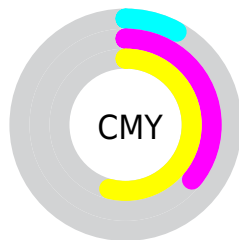
- Red (92%)
- Green (64%)
- Blue (46%)



- Red (92%)
- Yellow (76%)
- Blue (46%)



- Cyan (0%)
- Magenta (30%)
- Yellow (50%)
- Black (8%)




- Cyan (8%)
- Magenta (36%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.4772, 45.3513, 23.2328 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 50.4772, 45.3513, 23.2328 by changing the saturation by 10% instead.


 50.4772, 45.3513,
23.2328


 50.4772, 45.3513,
23.2328


378.9504,
368.1945, 282.0790


 36.0121, 31.7342,
14.5586


 90.0691, 83.2473,
49.7033

 24.6137, 21.1586,
8.3670


 115.9266,
108.2951, 68.3367

 15.9167, 13.2400,
4.2396


 146.3123,
137.9218, 91.1269

 9.5557, 7.5940,
1.7577

181.5914,
172.5120, 118.4925

 5.1654, 3.8363,
0.3998

222.1295,
212.4499, 150.8519

 2.3804, 1.5824,
0.0000

268.2917,

 0.8353, 0.3457,

258.1200, 188.6238

0.0000

320.4436,
309.9068, 232.2267

■ 0.0000, 0.0000,
0.0000

■ 50.4772, 45.3513,
23.2328

■ 50.4772, 45.3513,
23.2328

■ 46.8674, 40.0878,
15.9993

■ 54.7147, 51.3183,
32.3779

■ 43.8468, 35.4926,
10.5350

■ 59.6087, 58.0089,
43.5579

■ 41.3773, 31.5367,
6.6813


■ 65.1898, 65.4505,
56.8884


■ 39.4136, 28.1857,
4.2493

■ 71.4857, 73.6670,
72.4757

■ 37.8874, 25.3951,
2.9336

■ 78.5225, 82.6810,
90.4190

 37.8288, 25.2866,
2.8870

 85.7721, 92.2933,
107.9015

 87.7417, 96.2324,
108.5580

Harmonies

Analogous

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



56.0135, 45.3513, 33.0906



50.4772, 45.3513, 23.2328



43.4098, 45.3513, 20.0096

Triad

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



50.4772, 45.3513, 23.2328



31.0063, 45.3513, 48.5143



49.8945, 45.3513, 91.4660

Complementary

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



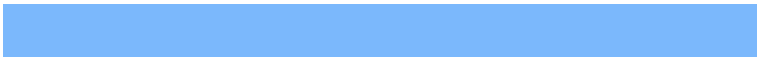
50.4772, 45.3513, 23.2328



40.3050, 45.7568, 84.5495

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.



42.8018, 45.3513, 98.7791



50.4772, 45.3513, 23.2328



32.3498, 45.3513, 70.2919

Square

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



50.4772, 45.3513, 23.2328



32.6015, 45.3513, 31.9492



36.4881, 45.3513, 90.1591



55.6523, 45.3513, 72.2175

Rectangle

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



50.4772, 45.3513, 23.2328



38.9332, 45.3513, 21.1391



36.4881, 45.3513, 90.1591



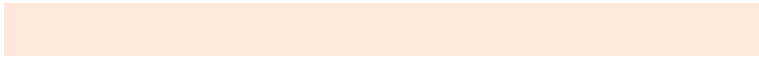
47.5647, 45.3513, 95.5988

Sweetspot

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



50.4783, 45.3535, 23.2337



82.5659, 83.9248, 77.3227



49.6537, 34.1470, 52.4226



17.3319, 17.5174, 15.7114



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.



50.4783, 45.3535, 23.2337



57.0812, 48.8996, 19.6737



62.9177, 70.2322, 27.3801



15.5556, 16.0342, 15.7938



21.3725, 14.4392, 1.6606



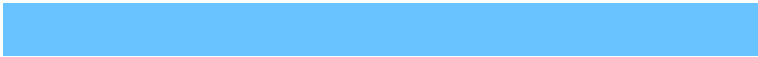
1.7698, 1.3170, 0.1609

Inverse Universe

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



40.3050, 45.7568, 84.5495



43.4126, 49.3754, 101.8501



30.5110, 26.1688, 81.2848



14.9874, 16.0612, 19.2324



13.8406, 14.3282, 45.7791



1.1803, 1.3121, 3.6259

Previews

White Background



This preview shows how the XYZ color 50.4772, 45.3513, 23.2328 looks on a white background.

Color Contrast Check

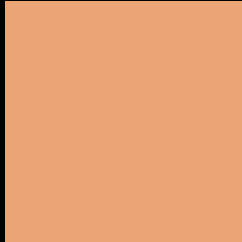
Large Text (above 18pt) WCAG AA × Fail

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 50.4772, 45.3513, 23.2328 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

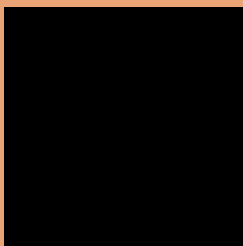
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.4772, 45.3513, 23.2328

Background



This preview shows how black text looks on a background with the XYZ color 50.4772, 45.3513, 23.2328.



This preview shows how white text looks on a background with the XYZ color 50.4772, 45.3513,

23.2328.

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

50.4772, 45.3513, 23.2328

Protanopia

42.2075, 45.5671, 25.6395

Deuteranopia

46.2238, 45.3649, 22.8430



Tritanopia

54.4783, 45.1557, 43.3807

Trichromacy



Original Color

50.4772, 45.3513, 23.2328

Protanomaly

44.9434, 45.2326, 24.7743

Deuteranomaly

47.8303, 45.3483, 23.0618

Tritanomaly

53.0009, 45.3481, 34.8138

Monochromacy



Original Color

50.4772, 45.3513, 23.2328

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.0413, 44.9858, 38.2075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4772, 45.3513, 23.2328 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(234, 164, 118)` looks like.

```
.text, #text, p{  
    color:rgb(234, 164, 118)  
}
```

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(234, 164, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 164, 118) }
```

Border

The CSS property to change the border of an element to XYZ 50.4772, 45.3513, 23.2328 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(234, 164, 118) }
```


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

```
.border{ border-color:rgb(234, 164, 118) }
```

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

Here you see how a box with a 4 pixel rgb(234, 164, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 164, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 164, 118);  
box-shadow:4px 4px 4px 4px rgb(234, 164,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4772, 45.3513, 23.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 164, 118) }
```

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

```
.background{ background-color: rgb(234,  
164, 118) }
```

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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