

# Converting Colors

XYZ(50.6272, 45.5467, 23.8555)

Have a look what the booklet for  
XYZ(50.6272, 45.5467, 23.8555)  
contains.

<b>XYZ(50.5973, 45.3994, 23.8655)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(50.5973, 45.3994,  
23.8655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EAA478
RGB	234, 164, 120
RGB Percent	92%, 64%, 47%
CMY	0.0824, 0.3568, 0.5294
CMYK	0.00, 0.30, 0.49, 0.08
HSL	23°, 73%, 69%
HSV	23°, 49%, 92%
XYZ	50.5973, 45.3994, 23.8655
YIQ	179.9140, 55.8440, 1.1560

# Conversions

## Conversions Part 2

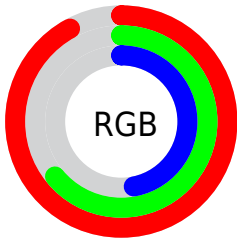
Format	Color
<a href="#">RYB</a>	<a href="#">234, 192, 120</a>
Decimal	<a href="#">15377528</a>
CIELab	<a href="#">73.15, 20.94, 33.13</a>
CIELCh	<a href="#">73, 39.192, 57.699</a>
Yxy	<a href="#">45.3994, 0.4221, 0.3788</a>
Android (android.graphics.Color)	<a href="#">4293567608</a> ( <a href="#">0xFFEAA478</a> )
YUV	<a href="#">179.9140, -29.5376, 47.4334</a>
Hunter-Lab	<a href="#">67.3791, 16.1285, 26.1650</a>

# Details

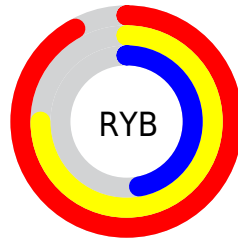
The XYZ color **50.5973, 45.3994, 23.8655** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **41.0096, 46.7585, 84.7055**, and the grayscale version is **43.4698, 45.7336, 49.8039**.

A 20% lighter version of the original color is **74.1143, 74.9402, 50.0938**, and **24.6107, 21.1572, 8.7479** is the 20% darker color. If you saturate the color by 10%, you get **46.9195, 40.0457, 16.4688**, and if you desaturate by 10%, it is **54.9148, 51.4774, 33.1882**.

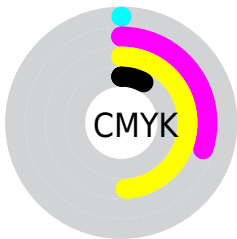
# Distribution



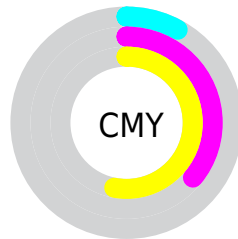
- Red (92%)
- Green (64%)
- Blue (47%)



- Red (92%)
- Yellow (75%)
- Blue (47%)



- Cyan (0%)
- Magenta (30%)
- Yellow (49%)
- Black (8%)



- Cyan (8%)
- Magenta (36%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5973, 45.3994, 23.8655 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 50.5973, 45.3994, 23.8655 by changing the saturation by 10% instead.





 50.5973, 45.3994,  
23.8655


 50.5973, 45.3994,  
23.8655


379.4107,  
368.3887, 285.4044

 36.1080, 31.7721,  
15.0226


 90.2458, 83.3194,  
50.7517

 24.6881, 21.1875,  
8.6884


 116.1356,  
108.3810, 69.6321

 15.9723, 13.2611,  
4.4445


 146.5564,  
138.0228, 92.6954

 9.5953, 7.6086,  
1.8722

181.8733,  
172.6291, 120.3601

 5.1917, 3.8455,  
0.4750

222.4519,  
212.5845, 153.0449

 2.3961, 1.5875,  
0.0000

268.6574,

 0.8431, 0.3492,

258.2733, 191.1681

0.0000

320.8552,  
310.0799, 235.1485

■ 0.0000, 0.0000,  
0.0000

■ 50.5973, 45.3994,  
23.8655

■ 50.5973, 45.3994,  
23.8655

■ 46.9195, 40.0457,  
16.4688

■ 54.9148, 51.4774,  
33.1882

■ 43.8428, 35.3799,  
10.8567

■ 59.9010, 58.3005,  
44.5591

■ 41.3288, 31.3725,  
6.8725


■ 65.5869, 65.8970,  
58.0933


■ 39.3321, 27.9879,  
4.3302


■ 72.0005, 74.2914,  
73.8967

■ 37.7899, 25.1827,  
2.9552

■ 79.1680, 83.5073,  
92.0678

 37.6154, 24.8599,  
2.8159

 86.2325, 93.2142,  
108.0549

 87.7416, 96.2324,  
108.5580

# Harmonies

## Analogous

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



55.9276, 45.3994, 33.8576



50.5973, 45.3994, 23.8655



43.6831, 45.3994, 20.4595

# Triad

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



50.5973, 45.3994, 23.8655



31.2576, 45.3994, 47.9293



49.5830, 45.3994, 91.0365

# Complementary

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



50.5973, 45.3994, 23.8655



41.0096, 46.7585, 84.7055

# 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.



42.6228, 45.3994, 97.6550



50.5973, 45.3994, 23.8655



32.4850, 45.3994, 69.1727

# Square

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



50.5973, 45.3994, 23.8655



32.9257, 45.3994, 31.8550



36.4732, 45.3994, 88.7743



55.2998, 45.3994, 72.5153



# Rectangle

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



50.5973, 45.3994, 23.8655



39.2603, 45.3994, 21.4521



36.4732, 45.3994, 88.7743



47.2902, 45.3994, 94.9115

# Sweetspot

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



50.5984, 45.4016, 23.8664



82.4521, 83.6973, 77.2848



49.9754, 34.6566, 52.9429



17.3046, 17.4629, 15.7023



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.



50.5984, 45.4016, 23.8664



57.2088, 48.9430, 20.3692



63.0991, 70.4030, 28.0333



15.5422, 16.0074, 15.7893



21.2509, 14.1961, 1.6201



1.7594, 1.2962, 0.1575



# Inverse Universe

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



41.0096, 46.7585, 84.7055



44.2987, 50.6985, 102.0587



31.0260, 26.7914, 81.3777



15.0012, 16.0888, 19.2370



14.0478, 14.7426, 45.8482



1.1958, 1.3431, 3.6311



# Previews

## White Background



This preview shows how the XYZ color 50.5973, 45.3994, 23.8655 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

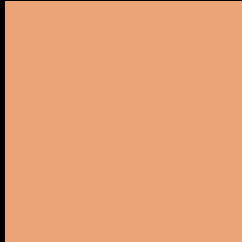
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5973, 45.3994, 23.8655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

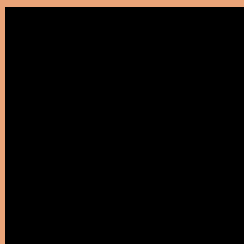
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.5973, 45.3994, 23.8655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5973, 45.3994, 23.8655.



This preview shows how white text looks on a background with the XYZ color 50.5973, 45.3994,



# 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

50.5973, 45.3994, 23.8655

### Protanopia

42.4002, 45.6442, 26.6541

### Deuteranopia

46.3414, 45.4120, 23.4625



## Tritanopia

54.6482, 45.4954, 43.4373

# Trichromacy



## Original Color

50.5973, 45.3994, 23.8655

## Protanomaly

45.0686, 45.2826, 25.4338

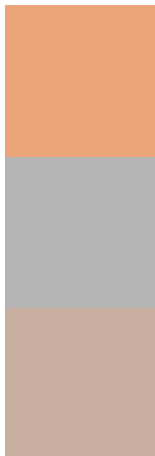
## Deuteranomaly

47.9492, 45.3958, 23.6878

## Tritanomaly

53.0818, 45.3805, 35.2398

# Monochromacy



## Original Color

50.5973, 45.3994, 23.8655

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

45.1270, 45.0201, 38.6590

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5973, 45.3994, 23.8655 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, 120)` looks like.

```
.text, #text, p{  
    color:rgb(234, 164, 120)  
}
```

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, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 164, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5973, 45.3994, 23.8655 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, 120) }
```



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

```
.border{ border-color:rgb(234, 164, 120) }
```

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, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 164, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 164, 120);  
box-shadow:4px 4px 4px 4px rgb(234, 164,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5973, 45.3994, 23.8655 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, 120) }
```

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

```
.background{ background-color: rgb(234,  
164, 120) }
```

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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