

# Converting Colors

XYZ(51.0336, 44.7494, 23.0102)

Have a look what the booklet for  
XYZ(51.0336, 44.7494, 23.0102)  
contains.

<b>XYZ(51.2748, 44.9749, 23.1181)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(51.2748, 44.9749,  
23.1181)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EEA176
RGB	238, 161, 118
RGB Percent	93%, 63%, 46%
CMY	0.0667, 0.3686, 0.5372
CMYK	0.00, 0.32, 0.50, 0.07
HSL	22°, 78%, 70%
HSV	22°, 50%, 93%
XYZ	51.2748, 44.9749, 23.1181
YIQ	179.1210, 59.6950, 2.9510

# Conversions

## Conversions Part 2

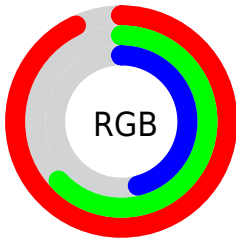
Format	Color
R <sub>Y</sub> B	238, 185, 118
Decimal	15638902
CIE Lab	72.88, 23.95, 33.92
CIE LCh	73, 41.519, 54.779
Yxy	44.9749, 0.4296, 0.3768
Android (android.graphics.Color)	4293828982 (0xFFEEA176)
YUV	179.1210, -30.1327, 51.6369
Hunter-Lab	67.0633, 19.1154, 26.5059

# Details

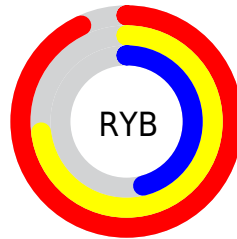
The XYZ color **51.2748, 44.9749, 23.1181** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **42.4180, 49.0526, 88.1211**, and the grayscale version is **43.0466, 45.2884, 49.3191**.

A 20% lighter version of the original color is **73.1466, 73.3120, 48.8235**, and **25.1332, 20.9507, 8.3494** is the 20% darker color. If you saturate the color by 10%, you get **47.5275, 39.4653, 15.7498**, and if you desaturate by 10%, it is **55.7071, 51.2835, 32.4758**.

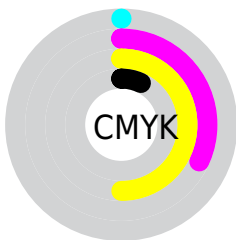
# Distribution



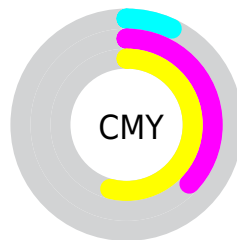
- Red (93%)
- Green (63%)
- Blue (46%)



- Red (93%)
- Yellow (73%)
- Blue (46%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (7%)




- Cyan (7%)
- Magenta (37%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.2748, 44.9749, 23.1181 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 51.2748, 44.9749, 23.1181 by changing the saturation by 10% instead.





 51.2748, 44.9749,  
23.1181


 51.2748, 44.9749,  
23.1181


382.0006,  
366.6719, 281.4726


 36.6493, 31.4377,  
14.4746


 91.2414, 82.6827,  
49.5128

 25.1085, 20.9323,  
8.3090


 117.3132,  
107.6221, 68.1011

 16.2871, 13.0746,  
4.2027

 147.9312,  
137.1310, 90.8415

 9.8197, 7.4799,  
1.7372

183.4607,  
171.5938, 118.1524

 5.3409, 3.7640,  
0.3860

224.2670,  
211.3949, 150.4524

 2.4854, 1.5424,  
0.0000

270.7155,

 0.8879, 0.3183,

256.9187, 188.1601

0.0000

323.1716,  
308.5496, 231.6940

■ 0.0000, 0.0000,  
0.0000

■ 51.2748, 44.9749,  
23.1181

■ 51.2748, 44.9749,  
23.1181

■ 47.5275, 39.4653,  
15.7498

■ 55.7071, 51.2835,  
32.4758

■ 44.4227, 34.7137,  
10.2201

■ 60.8567, 58.4165,  
43.9531

■ 41.9179, 30.6851,  
6.3609

■ 66.7575, 66.4062,  
57.6721

■ 39.9624, 27.3380,  
3.9707

■ 73.4405, 75.2811,  
73.7449

■ 38.5315, 24.7205,  
2.7407

■ 80.9344, 85.0682,  
92.2760

■ 88.3183, 95.4141,  
108.3696

■ 89.0698, 96.9171,  
108.6201

# Harmonies

## Analogous

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



56.6492, 44.9749, 34.1093



51.2748, 44.9749, 23.1181



44.0245, 44.9749, 19.0634

# Triad

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



51.2748, 44.9749, 23.1181



30.3460, 44.9749, 45.4365



48.8414, 44.9749, 94.7312

# Complementary

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



51.2748, 44.9749, 23.1181



42.4180, 49.0526, 88.1211

# 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.



41.4950, 44.9749, 100.2693



51.2748, 44.9749, 23.1181



31.3289, 44.9749, 67.6200

# Square

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



51.2748, 44.9749, 23.1181



32.3683, 44.9749, 29.4134



35.2219, 44.9749, 89.2183



55.1370, 44.9749, 75.7016



# Rectangle

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



51.2748, 44.9749, 23.1181



39.2988, 44.9749, 19.6841



35.2219, 44.9749, 89.2183



46.3918, 44.9749, 98.4235

# Sweetspot

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



51.2759, 44.9771, 23.1190



82.1563, 83.1056, 77.1862



51.7023, 35.1199, 56.2786



17.2338, 17.3213, 15.6787



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.



51.2759, 44.9771, 23.1190



55.2677, 45.6774, 17.8212



64.1231, 70.6715, 27.4014



16.2364, 16.6859, 16.5147



21.6079, 14.0139, 1.5661



1.8885, 1.3477, 0.1606



# Inverse Universe

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



42.4180, 49.0526, 88.1211



43.7268, 50.8619, 102.1204



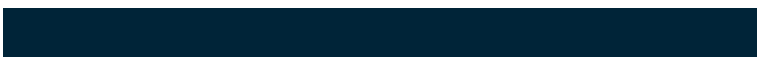
31.7084, 27.6334, 84.5513



15.7432, 16.9205, 20.1578



15.0649, 16.3541, 47.4905



1.3470, 1.5479, 3.9820



# Previews

## White Background



This preview shows how the XYZ color 51.2748, 44.9749, 23.1181 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 51.2748, 44.9749, 23.1181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

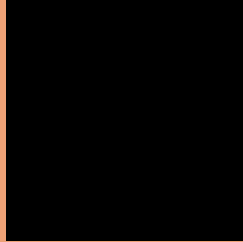
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.2748, 44.9749, 23.1181

## Background



This preview shows how black text looks on a background with the XYZ color 51.2748, 44.9749, 23.1181.



This preview shows how white text looks on a background with the XYZ color 51.2748, 44.9749,



# 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

51.2748, 44.9749, 23.1181

### Protanopia

41.8141, 45.0583, 25.8953

### Deuteranopia

46.0342, 44.9857, 22.7798



## Tritanopia

55.2222, 45.0731, 41.8658

# Trichromacy



## Original Color

51.2748, 44.9749, 23.1181

## Protanomaly

44.5599, 44.4655, 24.6465

## Deuteranomaly

47.7701, 44.7691, 22.9532

## Tritanomaly

53.7574, 44.9846, 34.2833

# Monochromacy



## Original Color

51.2748, 44.9749, 23.1181

## Achromatopsia

42.8472, 45.0786, 49.0906

## Achromatomaly

44.6577, 44.2187, 38.0796

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.2748, 44.9749, 23.1181 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(238, 161, 118)` looks like.

```
.text, #text, p{  
    color:rgb(238, 161, 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(238, 161, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 161, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 51.2748, 44.9749, 23.1181 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(238, 161, 118) }
```



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

```
.border{ border-color:rgb(238, 161, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 161, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 161, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 161, 118);  
box-shadow:4px 4px 4px 4px rgb(238, 161,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.2748, 44.9749, 23.1181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 161, 118) }
```

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

```
.background{ background-color: rgb(238,  
161, 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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