

# Converting Colors

XYZ(47.4776, 47.0313, 13.9072)

Have a look what the booklet for  
XYZ(47.4776, 47.0313, 13.9072)  
contains.

<b>XYZ(47.4817, 47.0718, 13.9803)</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(47.4817, 47.0718,  
13.9803)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0AF4F
RGB	224, 175, 79
RGB Percent	88%, 69%, 31%
CMY	0.1216, 0.3137, 0.6902
CMYK	0.00, 0.22, 0.65, 0.12
HSL	40°, 70%, 59%
HSV	40°, 65%, 88%
XYZ	47.4817, 47.0718, 13.9803
YIQ	178.7070, 60.0200, -19.4680

# Conversions

## Conversions Part 2

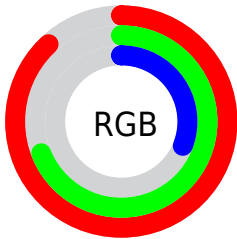
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 224, 79
Decimal	14724943
CIE <sub>Lab</sub>	74.24, 7.79, 54.68
CIE <sub>LCh</sub>	74, 55.233, 81.895
Yxy	47.0718, 0.4375, 0.4337
Android (android.graphics.Color)	4292915023 (0xFFE0AF4F)
YUV	178.7070, -49.1556, 39.7220
Hunter-Lab	68.6089, 3.4677, 35.9448

# Details

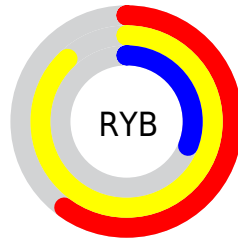
The XYZ color **47.4817, 47.0718, 13.9803** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **24.3977, 22.4813, 73.5739**, and the grayscale version is **42.9238, 45.1592, 49.1783**.

A 20% lighter version of the original color is **73.7017, 79.5196, 33.2941**, and **22.7755, 22.2354, 4.0112** is the 20% darker color. If you saturate the color by 10%, you get **45.3679, 43.9366, 9.9086**, and if you desaturate by 10%, it is **49.9549, 50.4866, 19.5275**.

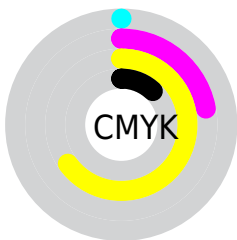
# Distribution



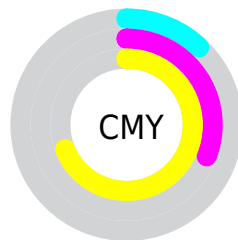
- Red (88%)
- Green (69%)
- Blue (31%)



- Red (60%)
- Yellow (88%)
- Blue (31%)



- Cyan (0%)
- Magenta (22%)
- Yellow (65%)
- Black (12%)




- Cyan (12%)
- Magenta (31%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4817, 47.0718, 13.9803 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 47.4817, 47.0718, 13.9803 by changing the saturation by 10% instead.





 47.4817, 47.0718,  
13.9803

 47.4817, 47.0718,  
13.9803


367.3509,  
375.1011, 228.5324

 33.6262, 33.0924,  
7.9684


 85.6466, 85.8208,  
33.7707

 22.7681, 22.1973,  
3.9872


 110.6866,  
111.3592, 48.3862


 14.5421, 14.0019,  
1.6183


 140.1856,  
141.5194, 66.7067

 8.5829, 8.1220,  
0.3039

 174.5087,  
176.6858, 89.1507

 4.5250, 4.1731,  
0.0000

 214.0215,  
217.2427, 116.1367

 2.0032, 1.7709,  
0.0000

259.0892,

 0.6358, 0.4689,

263.5747, 148.0833

0.0000

310.0772,  
316.0660, 185.4090

■ 0.0000, 0.0000,  
0.0000

■ 47.4817, 47.0718,  
13.9803

■ 47.4817, 47.0718,  
13.9803

■ 45.3679, 43.9366,  
9.9086

■ 49.9549, 50.4866,  
19.5275

■ 43.5800, 41.0600,  
7.1572

■ 52.8104, 54.1866,  
26.6790

■ 42.0824, 38.4272,  
5.5408

■ 56.0727, 58.1856,  
35.5523

■ 41.3791, 37.1250,  
4.9849

■ 59.7630, 62.4941,  
46.2534

■ 63.9009, 67.1219,  
58.8793

■ 68.5048, 72.0781,  
73.5206

■ 73.5917, 77.3716,  
90.2617

■ 78.6580, 82.8027,  
106.4445

■ 80.8782, 87.2430,  
107.1846

# Harmonies

## Analogous

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



57.5632, 47.0718, 19.1817



47.4817, 47.0718, 13.9803



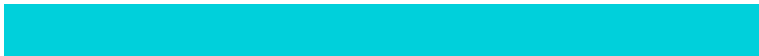
38.0024, 47.0718, 15.4561

# Triad

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



47.4817, 47.0718, 13.9803



29.2830, 47.0718, 74.4228



61.4767, 47.0718, 92.8576

# Complementary

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



47.4817, 47.0718, 13.9803



24.3977, 22.4813, 73.5739

# 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.



52.2310, 47.0718, 120.4185



47.4817, 47.0718, 13.9803



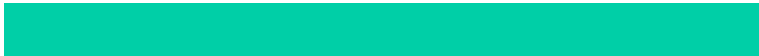
33.9789, 47.0718, 107.3230

# Square

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



47.4817, 47.0718, 13.9803



28.3991, 47.0718, 43.9360



42.1066, 47.0718, 126.5137



66.3872, 47.0718, 59.3408



# Rectangle

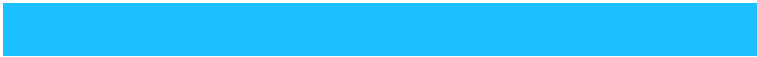
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47.4817, 47.0718, 13.9803



33.1814, 47.0718, 20.4123



42.1066, 47.0718, 126.5137



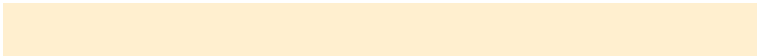
58.7132, 47.0718, 103.5693

# Sweetspot

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



47.4828, 47.0741, 13.9812



83.2056, 87.2591, 71.2007



37.5490, 23.0445, 23.5007



17.4703, 18.2965, 14.2094



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.



47.4828, 47.0741, 13.9812



59.8954, 57.4248, 11.6815



52.4916, 66.4669, 17.4604



14.4613, 15.2086, 14.4801



24.1962, 21.8302, 2.9384



1.7589, 1.6767, 0.2309



# Inverse Universe

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



24.3977, 22.4813, 73.5739



26.8075, 22.3057, 97.5003



21.5897, 13.7265, 72.0320



13.3287, 13.9964, 17.3868



9.4188, 6.3072, 41.7693



0.7337, 0.5988, 2.9222



# Previews

## White Background



This preview shows how the XYZ color 47.4817, 47.0718, 13.9803 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

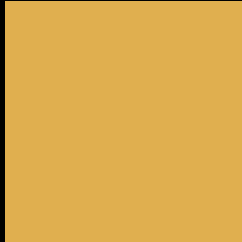
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4817, 47.0718, 13.9803 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 47.4817, 47.0718, 13.9803**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.4817, 47.0718, 13.9803.



This preview shows how white text looks on a background with the XYZ color 47.4817, 47.0718,



# 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

47.4817, 47.0718, 13.9803

### Protanopia

43.0473, 47.1576, 14.6181

### Deuteranopia

48.2259, 47.1675, 13.9596



## Tritanopia

54.3459, 47.0735, 47.8167

# Trichromacy



**Original Color**

47.4817, 47.0718, 13.9803

**Protanomaly**

44.6332, 47.0706, 14.3225

**Deuteranomaly**

47.9114, 47.0054, 13.9449

**Tritanomaly**

50.9906, 46.7930, 31.5438

# Monochromacy



**Original Color**

47.4817, 47.0718, 13.9803

**Achromatopsia**

42.8472, 45.0786, 49.0906

**Achromatomaly**

43.3840, 45.4261, 32.4681

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4817, 47.0718, 13.9803 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(224, 175, 79)` looks like.

```
.text, #text, p{  
    color:rgb(224, 175, 79)  
}
```

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(224, 175, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 175, 79) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4817, 47.0718, 13.9803 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(224, 175, 79) }
```



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

```
.border{ border-color:rgb(224, 175, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 175, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 175, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 175, 79);  
box-shadow:4px 4px 4px 4px rgb(224, 175,  
79) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4817, 47.0718, 13.9803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 175, 79) }
```

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

```
.background{ background-color: rgb(224,  
175, 79) }
```

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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