

Converting Colors

XYZ(51.5617, 48.4192, 9.4246)

Have a look what the booklet for
XYZ(51.5617, 48.4192, 9.4246)
contains.

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Color

**XYZ(51.5617, 48.4192,
9.4246)**

Conversions

Conversions Part 1

Format	Color
Hex	F1AC30
RGB	241, 172, 48
RGB Percent	95%, 67%, 19%
CMY	0.0549, 0.3255, 0.8117
CMYK	0.00, 0.29, 0.80, 0.05
HSL	39°, 87%, 57%
HSV	39°, 80%, 95%
XYZ	51.5617, 48.4192, 9.4246
YIQ	178.4950, 80.9280, -23.9360

Conversions

Conversions Part 2

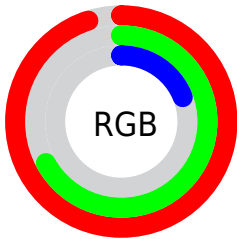
Format	Color
R _Y B	155, 241, 48
Decimal	15838256
CIE Lab	75.09, 15.16, 68.58
CIE LCh	75, 70.235, 77.532
Yxy	48.4192, 0.4713, 0.4426
Android (android.graphics.Color)	4294028336 (0xFFFF1AC30)
YUV	178.4950, -64.3340, 54.8169
Hunter-Lab	69.5839, 10.4967, 40.6784

Details

The XYZ color **51.5617, 48.4192, 9.4246** is a light color, and the websafe version is hex **CC9900**. The color can be described as light washed orange. A complement of this color would be **23.4573, 19.7015, 85.7850**, and the grayscale version is **42.8814, 45.1146, 49.1298**.

A 20% lighter version of the original color is **71.2078, 77.1976, 24.2443**, and **25.5389, 23.1362, 3.1197** is the 20% darker color. If you saturate the color by 10%, you get **49.6061, 45.0997, 6.9496**, and if you desaturate by 10%, it is **53.8957, 52.0641, 13.3577**.

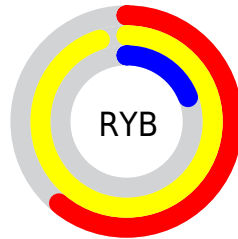
Distribution



Red (95%)

Green (67%)

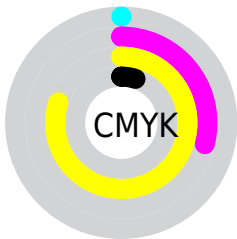
Blue (19%)



Red (61%)

Yellow (95%)

Blue (19%)

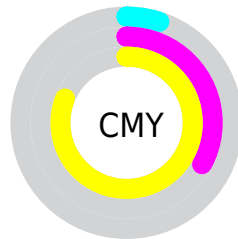


Cyan (0%)

Magenta (29%)

Yellow (80%)

Black (5%)



Cyan (5%)


Magenta (33%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.5617, 48.4192, 9.4246 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 51.5617, 48.4192, 9.4246 by changing the saturation by 10% instead.


 51.5617, 48.4192,
9.4246


 51.5617, 48.4192,
9.4246


383.0940,
380.4513, 196.8478


 36.8787, 34.1590,
4.9186


 91.6626, 87.8282,
25.2981


 25.2868, 23.0158,
2.1417


 117.8112,
113.7458, 37.5027


 16.4207, 14.6051,
0.6404

 148.5123,
144.3180, 53.1106

 9.9151, 8.5427,
0.0000

 184.1314,
179.9291, 72.5402

 5.4045, 4.4442,
0.0000

 225.0337,
220.9636, 96.2102

 2.5237, 1.9250,
0.0000

 271.5847,

 0.9072, 0.5633,

267.8059, 124.5391

0.0000

324.1497,
320.8404, 157.9455

■ 0.0000, 0.0000,
0.0000

■ 51.5617, 48.4192,
9.4246

■ 51.5617, 48.4192,
9.4246

■ 49.6061, 45.0997,
6.9496

■ 53.8957, 52.0641,
13.3577

■ 47.9710, 42.0919,
5.5962


■ 56.6449, 56.0464,
18.9484


■ 59.8446, 60.3850,
26.3678


■ 63.5247, 65.0951,
35.7646

■ 67.7122, 70.1901,
47.2721

 72.4318, 75.6829,
61.0119

 77.7066, 81.5854,
77.0964

 83.5580, 87.9089,
95.6303

 88.3699, 94.0096,
108.0958

Harmonies

Analogous

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



64.7915, 48.4192, 15.8639



51.5617, 48.4192, 9.4246



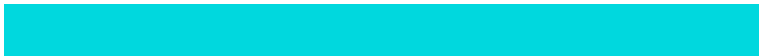
38.9748, 48.4192, 9.9473

Triad

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



51.5617, 48.4192, 9.4246



26.2593, 48.4192, 77.0269



66.7492, 48.4192, 116.3491

Complementary

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



51.5617, 48.4192, 9.4246



23.4573, 19.7015, 85.7850

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.



53.8690, 48.4192, 153.0180



51.5617, 48.4192, 9.4246



31.2786, 48.4192, 124.0016

Square

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



51.5617, 48.4192, 9.4246



25.8727, 48.4192, 38.8765



40.8922, 48.4192, 156.3328



74.5937, 48.4192, 69.5130

Rectangle

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



51.5617, 48.4192, 9.4246



32.5552, 48.4192, 14.1698



40.8922, 48.4192, 156.3328



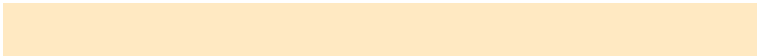
62.7662, 48.4192, 131.0567

Sweetspot

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



51.5628, 48.4216, 9.4255



80.1286, 83.4929, 62.8138



40.6485, 22.1414, 19.5116



16.7441, 17.3960, 12.2657



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.



51.5628, 48.4216, 9.4255



55.2040, 49.0987, 6.8603



60.0915, 77.6112, 14.6102



16.6200, 17.4530, 16.6425



26.1458, 23.0897, 3.0787



2.2687, 2.1081, 0.2873

Inverse Universe

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



23.4573, 19.7015, 85.7850



22.5185, 15.9675, 96.5029



19.7381, 9.9106, 84.0912



15.3597, 16.1535, 20.0300



10.5368, 7.2978, 45.9811



0.9674, 0.7888, 3.8555

Previews

White Background



This preview shows how the XYZ color 51.5617, 48.4192, 9.4246 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 51.5617, 48.4192, 9.4246 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 51.5617, 48.4192, 9.4246

Background



This preview shows how black text looks on a background with the XYZ color 51.5617, 48.4192, 9.4246.



This preview shows how white text looks on a background with the XYZ color 51.5617, 48.4192,

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

51.5617, 48.4192, 9.4246

Protanopia

44.1689, 48.7667, 10.2169

Deuteranopia

49.6227, 48.5716, 9.3446



Tritanopia

58.9991, 48.4633, 45.7799

Trichromacy



Original Color

51.5617, 48.4192, 9.4246

Protanomaly

46.6148, 48.4937, 9.9210

Deuteranomaly

50.4351, 48.6980, 9.4308

Tritanomaly

55.0076, 47.8813, 26.7649

Monochromacy



Original Color

51.5617, 48.4192, 9.4246

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.7095, 45.1069, 27.8755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5617, 48.4192, 9.4246 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(241, 172, 48)` looks like.

```
.text, #text, p{  
    color:rgb(241, 172, 48)  
}
```

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(241, 172, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 172, 48) }
```

Border

The CSS property to change the border of an element to XYZ 51.5617, 48.4192, 9.4246 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(241, 172, 48) }
```


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

```
.border{ border-color:rgb(241, 172, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 172, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 172, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 172, 48);  
box-shadow:4px 4px 4px 4px rgb(241, 172,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5617, 48.4192, 9.4246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 172, 48) }
```

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

```
.background{ background-color: rgb(241,  
172, 48) }
```

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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