

Converting Colors

XYZ(50.4988, 47.6446, 9.2941)

Have a look what the booklet for
XYZ(50.4988, 47.6446, 9.2941)
contains.

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Color

**XYZ(50.3563, 47.5164,
9.3138)**

Conversions

Conversions Part 1

Format	Color
Hex	EEAB30
RGB	238, 171, 48
RGB Percent	93%, 67%, 19%
CMY	0.0667, 0.3294, 0.8117
CMYK	0.00, 0.28, 0.80, 0.07
HSL	39°, 85%, 56%
HSV	39°, 80%, 93%
XYZ	50.3563, 47.5164, 9.3138
YIQ	177.0110, 79.4150, -24.0490

Conversions

Conversions Part 2

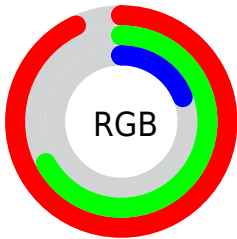
Format	Color
R _Y B	151, 238, 48
Decimal	15641392
CIE Lab	74.52, 14.42, 67.94
CIE LCh	75, 69.457, 78.021
Yxy	47.5164, 0.4698, 0.4433
Android (android.graphics.Color)	4293831472 (0xFFEEAB30)
YUV	177.0110, -63.6024, 53.4874
Hunter-Lab	68.9321, 9.7666, 40.2415

Details

The XYZ color **50.3563, 47.5164, 9.3138** 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 **22.7820, 19.0622, 83.3669**, and the grayscale version is **42.0915, 44.2836, 48.2248**.

A 20% lighter version of the original color is **70.9350, 76.6522, 24.1534**, and **24.7283, 22.5408, 3.0475** is the 20% darker color. If you saturate the color by 10%, you get **48.4555, 44.3016, 6.8725**, and if you desaturate by 10%, it is **52.6230, 51.0425, 13.1761**.

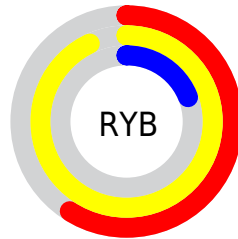
Distribution



Red (93%)

Green (67%)

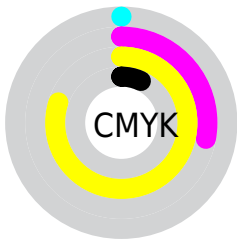
Blue (19%)



Red (59%)

Yellow (93%)

Blue (19%)

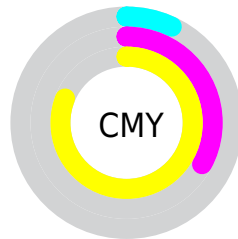


Cyan (0%)

Magenta (28%)

Yellow (80%)

Black (7%)



Cyan (7%)


Magenta (33%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.3563, 47.5164, 9.3138 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 50.3563, 47.5164, 9.3138 by changing the saturation by 10% instead.


 50.3563, 47.5164,
9.3138


 50.3563, 47.5164,
9.3138


378.4867,
376.8720, 196.0053

 35.9155, 33.4441,
4.8468


 89.8912, 86.4839,
25.0839


 24.5388, 22.4669,
2.1005


 115.7161,
112.1479, 37.2241


 15.8607, 14.2003,
0.6161


 146.0664,
142.4446, 52.7591

 9.5158, 8.2601,
0.0000

 181.3075,
177.7584, 72.1075

 5.1389, 4.2619,
0.0000

 221.8047,
218.4736, 95.6877

 2.3646, 1.8211,
0.0000

 267.9234,

 0.8274, 0.5003,

264.9747, 123.9184

0.0000

320.0289,
317.6460, 157.2181

■ 0.0000, 0.0000,
0.0000

■ 50.3563, 47.5164,
9.3138

■ 50.3563, 47.5164,
9.3138

■ 48.4555, 44.3016,
6.8725

■ 52.6230, 51.0425,
13.1761

■ 46.8543, 41.3627,
5.5259


■ 55.2912, 54.8912,
18.6519

■ 46.8285, 41.3147,
5.5064


■ 58.3948, 59.0808,
25.9063


■ 61.9626, 63.6256,
35.0829

■ 66.0208, 68.5386,
46.3107

 70.5931, 73.8321,
59.7075

 75.7017, 79.5175,
75.3819

 81.3675, 85.6055,
93.4352

 86.4279, 91.6337,
107.7396

Harmonies

Analogous

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



63.2927, 47.5164, 15.5019



50.3563, 47.5164, 9.3138



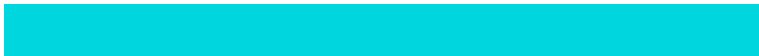
38.1046, 47.5164, 9.9276

Triad

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



50.3563, 47.5164, 9.3138



25.8902, 47.5164, 76.1844



65.5707, 47.5164, 113.0579

Complementary

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



50.3563, 47.5164, 9.3138



22.7820, 19.0622, 83.3669

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.



53.0431, 47.5164, 149.1474



50.3563, 47.5164, 9.3138



30.8750, 47.5164, 121.9508

Square

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



50.3563, 47.5164, 9.3138



25.4388, 47.5164, 38.6837



40.3395, 47.5164, 152.9970



73.1046, 47.5164, 67.4396

Rectangle

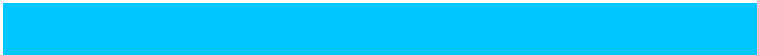
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



50.3563, 47.5164, 9.3138



31.8760, 47.5164, 14.1689



40.3395, 47.5164, 152.9970



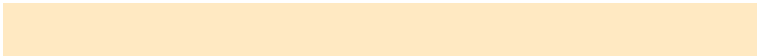
61.7079, 47.5164, 127.4637

Sweetspot

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



50.3574, 47.5188, 9.3147



80.2133, 83.6624, 62.8420



39.5671, 21.5914, 19.1188



16.7646, 17.4369, 12.2725



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.



50.3574, 47.5188, 9.3147



55.4250, 49.5405, 6.9340



58.4518, 75.4583, 14.2810



16.6267, 17.4665, 16.6448



26.2519, 23.3019, 3.1141



2.2771, 2.1248, 0.2901

Inverse Universe

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



22.7820, 19.0622, 83.3669



22.4079, 15.7462, 96.4660



19.2629, 9.7169, 81.7485



15.3532, 16.1405, 20.0278



10.4851, 7.1945, 45.9639



0.9626, 0.7791, 3.8539

Previews

White Background



This preview shows how the XYZ color 50.3563, 47.5164, 9.3138 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 50.3563, 47.5164, 9.3138 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 50.3563, 47.5164, 9.3138

Background



This preview shows how black text looks on a background with the XYZ color 50.3563, 47.5164, 9.3138.



This preview shows how white text looks on a background with the XYZ color 50.3563, 47.5164,

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

50.3563, 47.5164, 9.3138

Protanopia

43.1916, 47.6418, 10.0513

Deuteranopia

48.6041, 47.4663, 9.2895



Tritanopia

57.6734, 47.5326, 45.1647

Trichromacy



Original Color

50.3563, 47.5164, 9.3138

Protanomaly

45.6093, 47.3759, 9.7582

Deuteranomaly

49.3883, 47.5848, 9.2711

Tritanomaly

53.7242, 46.9605, 26.3114

Monochromacy



Original Color

50.3563, 47.5164, 9.3138

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.9124, 44.4138, 27.4301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.3563, 47.5164, 9.3138 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, 171, 48)` looks like.

```
.text, #text, p{  
    color:rgb(238, 171, 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(238, 171, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 171, 48) }
```

Border

The CSS property to change the border of an element to XYZ 50.3563, 47.5164, 9.3138 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, 171, 48) }
```


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

```
.border{ border-color:rgb(238, 171, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 171, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 171, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 171, 48);  
box-shadow:4px 4px 4px 4px rgb(238, 171,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 50.3563, 47.5164, 9.3138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 171, 48) }
```

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

```
.background{ background-color: rgb(238,  
171, 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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