

Converting Colors

XYZ(54.3488, 50.1656, 4.8719)

Have a look what the booklet for
XYZ(54.3488, 50.1656, 4.8719)
contains.

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Color

**XYZ(54.7272, 50.3964,
6.8430)**

Conversions

Conversions Part 1

Format	Color
Hex	FBAD00
RGB	251, 173, 0
RGB Percent	98%, 68%, 0%
CMY	0.0157, 0.3215, 0.9999
CMYK	0.00, 0.31, 1.00, 0.02
HSL	41°, 100%, 49%
HSV	41°, 100%, 98%
XYZ	54.7272, 50.3964, 6.8430
YIQ	176.6000, 102.0210, -37.2670

Conversions

Conversions Part 2

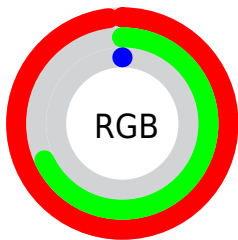
Format	Color
RYB	113, 251, 0
Decimal	16493824
CIELab	76.31, 18.07, 79.64
CIELCh	76, 81.666, 77.216
Yxy	50.3964, 0.4888, 0.4501
Android (android.graphics.Color)	4294683904 (0xFFFBAD00)
YUV	176.6000, -87.0638, 65.2488
Hunter-Lab	70.9904, 13.3741, 43.9781

Details

The XYZ color **54.7272, 50.3964, 6.8430** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **20.1376, 12.4150, 92.6009**, and the grayscale version is **41.9869, 44.1735, 48.1050**.

A 20% lighter version of the original color is **70.4686, 77.3409, 18.9988**, and **27.5764, 24.3661, 3.2497** is the 20% darker color. If you saturate the color by 10%, you get **54.7273, 50.3970, 6.8432**, and if you desaturate by 10%, it is **56.4446, 53.5490, 8.2873**.

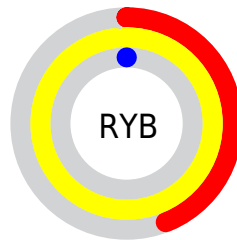
Distribution



Red (98%)

Green (68%)

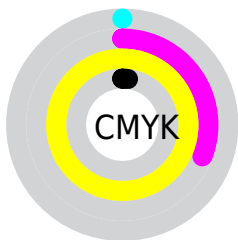
Blue (0%)



Red (44%)

Yellow (98%)

Blue (0%)

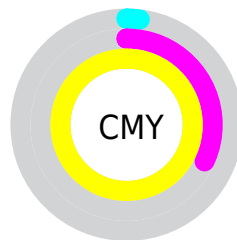


Cyan (0%)

Magenta (31%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (32%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.7272, 50.3964, 6.8430 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 54.7272, 50.3964, 6.8430 by changing the saturation by 10% instead.


 54.7272, 50.3964,
6.8430


 54.7272, 50.3964,
6.8430


395.0303,
388.2141, 175.9338

 39.4163, 35.7285,
3.2872


 96.2918, 90.7619,
20.1641


 27.2659, 24.2246,
1.2431


 123.2762,
117.2283, 30.7665


 17.9107, 15.5003,
0.0144


 154.8826,
148.3963, 44.5548

 10.9852, 9.1712,
0.0000

 191.4762,
184.6503, 61.9475

 6.1241, 4.8530,
0.0000

 233.4224,
226.3746, 83.3632

 2.9621, 2.1613,
0.0000

 281.0866,

 1.1337, 0.6988,

273.9538, 109.2205

0.0000

334.8341,
327.7722, 139.9379

■ 0.0531, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.7272, 50.3964,
6.8430

■ 54.7272, 50.3964,
6.8430

■ 54.7273, 50.3970,
6.8432

■ 56.4446, 53.5490,
8.2873

■ 58.4767, 56.9673,
10.9558

■ 60.8958, 60.6847,
15.2172

■ 63.7455, 64.7209,
21.2950

■ 67.0629, 69.0927,
29.3768

■ 70.8801, 73.8152,
39.6267

■ 75.2265, 78.9020,
52.1916

■ 80.1285, 84.3660,
67.2055

■ 85.6109, 90.2189,
84.7923

Harmonies

Analogous

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



70.8559, 50.3964, 13.2951



54.7272, 50.3964, 6.8430



39.6902, 50.3964, 7.2738

Triad

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



54.7272, 50.3964, 6.8430



24.8902, 50.3964, 83.8632



72.9709, 50.3964, 134.5652

Complementary

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



54.7272, 50.3964, 6.8430



20.1376, 12.4150, 92.6009

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.



57.1709, 50.3964, 181.5615



54.7272, 50.3964, 6.8430



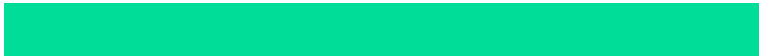
30.5302, 50.3964, 143.1424

Square

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



54.7272, 50.3964, 6.8430



24.5105, 50.3964, 38.2246



41.6661, 50.3964, 185.3422



82.8041, 50.3964, 75.7656

Rectangle

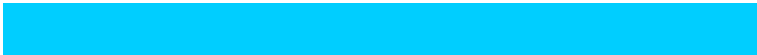
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.7272, 50.3964, 6.8430



32.1844, 50.3964, 11.3491



41.6661, 50.3964, 185.3422



68.0450, 50.3964, 153.3701

Sweetspot

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



54.7283, 50.3990, 6.8439



77.9660, 81.7740, 54.0579



41.2128, 21.0811, 9.3887



16.2664, 17.0168, 10.3303



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.



54.7283, 50.3990, 6.8439



56.7183, 52.2166, 7.0894



59.6698, 81.9708, 12.6775



18.2457, 19.2273, 18.2120



28.9028, 26.7623, 3.6423



2.7713, 2.6674, 0.3688

Inverse Universe

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



20.1376, 12.4150, 92.6009



20.8633, 12.8467, 95.9878



18.5406, 7.5468, 91.7454



16.7230, 17.5229, 21.8861



10.6982, 6.7519, 48.7129



1.0809, 0.8054, 4.5417

Previews

White Background



This preview shows how the XYZ color 54.7272, 50.3964, 6.8430 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 54.7272, 50.3964, 6.8430 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 54.7272, 50.3964, 6.8430

Background



This preview shows how black text looks on a background with the XYZ color 54.7272, 50.3964, 6.8430.



This preview shows how white text looks on a background with the XYZ color 54.7272, 50.3964,

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

54.7272, 50.3964, 6.8430

Protanopia

45.7317, 50.5787, 7.8426

Deuteranopia

51.7167, 50.5909, 7.0393



Tritanopia

61.9772, 50.5104, 46.5273

Trichromacy



Original Color

54.7272, 50.3964, 6.8430

Protanomaly

48.6668, 50.2198, 7.4155

Deuteranomaly

52.6843, 50.4990, 6.9705

Tritanomaly

57.5610, 49.8560, 21.6283

Monochromacy



Original Color

54.7272, 50.3964, 6.8430

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.4078, 45.0803, 22.0363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.7272, 50.3964, 6.8430 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(251, 173, 0)` looks like.

```
.text, #text, p{  
    color:rgb(251, 173, 0)  
}
```

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(251, 173, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 173, 0) }
```

Border

The CSS property to change the border of an element to XYZ 54.7272, 50.3964, 6.8430 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(251, 173, 0) }
```


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

```
.border{ border-color:rgb(251, 173, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 173, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 173, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 173, 0);  
box-shadow:4px 4px 4px 4px rgb(251, 173,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 54.7272, 50.3964, 6.8430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 173, 0) }
```

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

```
.background{ background-color: rgb(251,  
173, 0) }
```

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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