

Converting Colors

XYZ(52.2813, 44.9605, 5.9227)

Have a look what the booklet for
XYZ(52.2813, 44.9605, 5.9227)
contains.

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Color

**XYZ(52.2019, 44.8094,
5.8977)**

Conversions

Conversions Part 1

Format	Color
Hex	FC9D00
RGB	252, 157, 0
RGB Percent	99%, 62%, 0%
CMY	0.0118, 0.3843, 0.9999
CMYK	0.00, 0.38, 1.00, 0.01
HSL	37°, 100%, 49%
HSV	37°, 100%, 99%
XYZ	52.2019, 44.8094, 5.8977
YIQ	167.5070, 107.0170, -28.6870

Conversions

Conversions Part 2

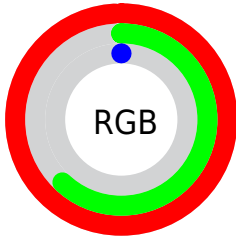
Format	Color
RYB	152, 252, 0
Decimal	16555264
CIELab	72.77, 26.85, 77.37
CIElCh	73, 81.901, 70.859
Yxy	44.8094, 0.5073, 0.4354
Android (android.graphics.Color)	4294745344 (0xFFFC9D00)
YUV	167.5070, -82.5810, 74.1004
Hunter-Lab	66.9398, 22.0555, 41.6342

Details

The XYZ color **52.2019, 44.8094, 5.8977** 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 **21.6634, 15.2136, 93.8896**, and the grayscale version is **37.3346, 39.2789, 42.7748**.

A 20% lighter version of the original color is **66.1586, 68.8970, 17.0192**, and **26.0378, 20.9220, 2.6660** is the 20% darker color. If you saturate the color by 10%, you get **52.2020, 44.8100, 5.8979**, and if you desaturate by 10%, it is **54.0510, 48.2235, 7.3911**.

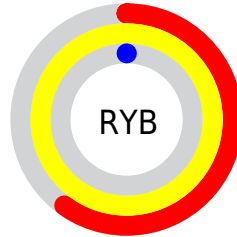
Distribution



Red (99%)

Green (62%)

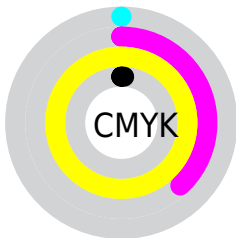
Blue (0%)



Red (60%)

Yellow (99%)

Blue (0%)

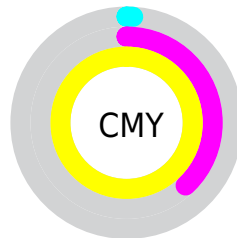


Cyan (0%)

Magenta (38%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2019, 44.8094, 5.8977 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 52.2019, 44.8094, 5.8977 by changing the saturation by 10% instead.

52.2019, 44.8094,
5.8977

52.2019, 44.8094,
5.8977

385.5267,
366.0011, 167.4289

37.3910, 31.3073,
2.7152

92.6014, 82.4343,
18.1922

25.6854, 20.8330,
0.9511

118.9207,
107.3260, 28.1412

16.7199, 13.0020,
0.0000

149.8067,
136.7829, 41.1829

10.1290, 7.4299,
0.0000

185.6250,
171.1896, 57.7356

5.5475, 3.7324,
0.0000

226.7407,
210.9303, 78.2181

2.6100, 1.5250,
0.0000

273.5194,

0.9510, 0.3062,

256.3895, 103.0488

0.0000

326.3263,
307.9517, 132.6462

0.0000, 0.0000,
0.0000

52.2019, 44.8094,
5.8977

52.2019, 44.8094,
5.8977

52.2020, 44.8100,
5.8979

54.0510, 48.2235,
7.3911

56.2559, 51.9825,
10.1331

58.8908, 56.1219,
14.4959

62.0009, 60.6641,
20.7054

65.6246, 65.6285,
28.9517

■ 69.7958, 71.0325,
39.4008

■ 74.5448, 76.8919,
52.2013

■ 79.8997, 83.2218,
67.4891

■ 85.8864, 90.0360,
85.3894

Harmonies

Analogous

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



66.8048, 44.8094, 13.3933



52.2019, 44.8094, 5.8977



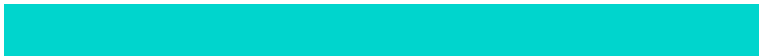
37.6423, 44.8094, 5.2105

Triad

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



52.2019, 44.8094, 5.8977



20.9808, 44.8094, 65.0844



63.1049, 44.8094, 135.2427

Complementary

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



52.2019, 44.8094, 5.8977



21.6634, 15.2136, 93.8896

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.



47.9532, 44.8094, 173.2266



52.2019, 44.8094, 5.8977



25.0728, 44.8094, 120.0653

Square

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



52.2019, 44.8094, 5.8977



21.6249, 44.8094, 27.3497



34.2369, 44.8094, 166.5019



74.0051, 44.8094, 79.2429

Rectangle

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



52.2019, 44.8094, 5.8977



30.0453, 44.8094, 7.7091



34.2369, 44.8094, 166.5019



58.2153, 44.8094, 151.6472

Sweetspot

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



52.2029, 44.8117, 5.8985



76.5665, 78.9751, 53.5914



42.2842, 21.5514, 13.1448



15.9321, 16.3480, 10.2188



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.



52.2029, 44.8117, 5.8985



53.6161, 46.0122, 6.0554



65.1188, 85.2450, 13.0222



18.1455, 19.0269, 18.1786



27.3393, 23.6352, 3.1211



2.6341, 2.3930, 0.3231

Inverse Universe

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



21.6634, 15.2136, 93.8896



22.2446, 15.6091, 96.4482



18.0891, 7.2958, 92.5497



16.8192, 17.7152, 21.9182



11.4146, 8.1847, 48.9518



1.1555, 0.9547, 4.5665

Previews

White Background



This preview shows how the XYZ color 52.2019, 44.8094, 5.8977 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 52.2019, 44.8094, 5.8977 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 52.2019, 44.8094, 5.8977

Background



This preview shows how black text looks on a background with the XYZ color 52.2019, 44.8094, 5.8977.



This preview shows how white text looks on a background with the XYZ color 52.2019, 44.8094,

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

52.2019, 44.8094, 5.8977

Protanopia

40.5864, 44.8404, 7.0882

Deuteranopia

45.7388, 44.9182, 6.2594



Tritanopia

58.0015, 44.9084, 37.9589

Trichromacy



Original Color

52.2019, 44.8094, 5.8977

Protanomaly

44.1385, 44.3656, 6.5537

Deuteranomaly

47.7161, 44.5724, 6.0884

Tritanomaly

54.2886, 44.1436, 17.9712

Monochromacy



Original Color

52.2019, 44.8094, 5.8977

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.4825, 39.7546, 19.5024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2019, 44.8094, 5.8977 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(252, 157, 0)` looks like.

```
.text, #text, p{  
    color:rgb(252, 157, 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(252, 157, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 157, 0) }
```

Border

The CSS property to change the border of an element to XYZ 52.2019, 44.8094, 5.8977 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(252, 157, 0) }
```


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

```
.border{ border-color:rgb(252, 157, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 157, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 157, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 157, 0);  
box-shadow:4px 4px 4px 4px rgb(252, 157,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2019, 44.8094, 5.8977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 157, 0) }
```

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

```
.background{ background-color: rgb(252,  
157, 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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