

Converting Colors

XYZ(52.1396, 44.6968, 5.9675)

Have a look what the booklet for
XYZ(52.1396, 44.6968, 5.9675)
contains.

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Color

**XYZ(52.2183, 44.8160,
5.9843)**

Conversions

Conversions Part 1

Format	Color
Hex	FC9D03
RGB	252, 157, 3
RGB Percent	99%, 62%, 1%
CMY	0.0118, 0.3843, 0.9882
CMYK	0.00, 0.38, 0.99, 0.01
HSL	37°, 98%, 50%
HSV	37°, 99%, 99%
XYZ	52.2183, 44.8160, 5.9843
YIQ	167.8490, 106.0540, -27.7540

Conversions

Conversions Part 2

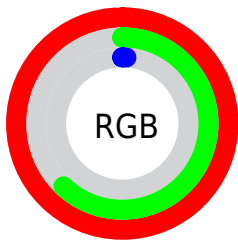
Format	Color
RYB	157, 252, 3
Decimal	16555267
CIELab	72.77, 26.88, 77.01
CIELCh	73, 81.568, 70.760
Yxy	44.8160, 0.5069, 0.4350
Android (android.graphics.Color)	4294745347 (0xFFFC9D03)
YUV	167.8490, -81.2706, 73.8004
Hunter-Lab	66.9448, 22.0804, 41.5613

Details

The XYZ color **52.2183, 44.8160, 5.9843** 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 **21.9765, 15.7842, 93.9830**, and the grayscale version is **37.4972, 39.4500, 42.9610**.

A 20% lighter version of the original color is **66.1948, 68.9115, 17.2095**, and **26.0378, 20.9220, 2.6660** is the 20% darker color. If you saturate the color by 10%, you get **52.0091, 44.4244, 5.8336**, and if you desaturate by 10%, it is **54.1062, 48.2791, 7.5792**.

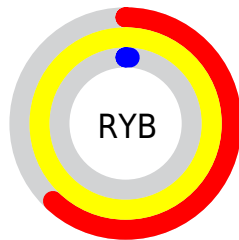
Distribution



Red (99%)

Green (62%)

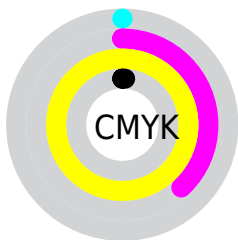
Blue (1%)



Red (62%)

Yellow (99%)

Blue (1%)

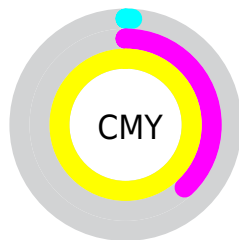


Cyan (0%)

Magenta (38%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (38%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2183, 44.8160, 5.9843 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 52.2183, 44.8160, 5.9843 by changing the saturation by 10% instead.

52.2183, 44.8160,
5.9843

52.2183, 44.8160,
5.9843

385.5889,
366.0278, 168.2322

37.4041, 31.3125,
2.7669

92.6254, 82.4442,
18.3754

25.6956, 20.8369,
0.9769

118.9490,
107.3378, 28.3862

16.7276, 13.0049,
0.0000

149.8398,
136.7968, 41.4985

10.1345, 7.4319,
0.0000

185.6632,
171.2057, 58.1309

5.5512, 3.7336,
0.0000

226.7844,
210.9488, 78.7020

2.6122, 1.5257,
0.0000

273.5688,

0.9522, 0.3067,

256.4107, 103.6302

0.0000

326.3819,
307.9755, 133.3340

■ 0.0000, 0.0000,
0.0000

■ 52.2183, 44.8160,
5.9843

■ 52.2183, 44.8160,
5.9843

■ 52.0091, 44.4244,
5.8336

■ 54.1062, 48.2791,
7.5792

■ 56.3683, 52.0994,
10.5036

■ 59.0691, 56.3088,
15.0791

■ 62.2531, 60.9295,
21.5268

■ 65.9580, 65.9807,
30.0330

70.2173, 71.4799,
40.7615

75.0613, 77.4430,
53.8595

80.5177, 83.8850,
69.4612

86.6122, 90.8198,
87.6909

Harmonies

Analogous

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



66.7413, 44.8160, 13.5280



52.2183, 44.8160, 5.9843



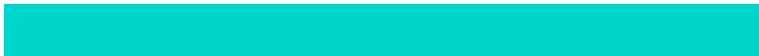
37.7101, 44.8160, 5.2771

Triad

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



52.2183, 44.8160, 5.9843



21.0474, 44.8160, 64.8599



62.9722, 44.8160, 134.9557

Complementary

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



52.2183, 44.8160, 5.9843



21.9765, 15.7842, 93.9830

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.



47.8872, 44.8160, 172.5750



52.2183, 44.8160, 5.9843



25.1147, 44.8160, 119.5131

Square

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



52.2183, 44.8160, 5.9843



21.7057, 44.8160, 27.3390



34.2354, 44.8160, 165.7366



73.8400, 44.8160, 79.2847

Rectangle

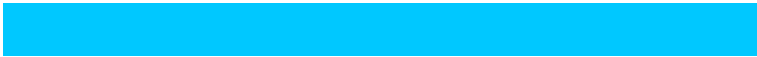
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.2183, 44.8160, 5.9843



30.1276, 44.8160, 7.7711



34.2354, 44.8160, 165.7366



58.1029, 44.8160, 151.2278

Sweetspot

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



52.2193, 44.8183, 5.9851



76.4720, 78.7861, 53.5599



42.4036, 21.6512, 13.6133



15.9095, 16.3030, 10.2113



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.



52.2193, 44.8183, 5.9851



53.4180, 45.6161, 5.9893



65.2429, 85.3070, 13.1138



18.1387, 19.0132, 18.1763



27.2392, 23.4351, 3.0878



2.6252, 2.3752, 0.3201

Inverse Universe

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



21.9765, 15.7842, 93.9830



22.3512, 15.8225, 96.4837



18.2009, 7.4017, 92.5641



16.8258, 17.7284, 21.9204



11.4696, 8.2948, 48.9701



1.1611, 0.9658, 4.5684

Previews

White Background



This preview shows how the XYZ color 52.2183, 44.8160, 5.9843 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 52.2183, 44.8160, 5.9843 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 52.2183, 44.8160, 5.9843

Background



This preview shows how black text looks on a background with the XYZ color 52.2183, 44.8160, 5.9843.



This preview shows how white text looks on a background with the XYZ color 52.2183, 44.8160,

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

52.2183, 44.8160, 5.9843

Protanopia

40.5948, 44.8438, 7.1322

Deuteranopia

45.7388, 44.9182, 6.2594



Tritanopia

58.0015, 44.9084, 37.9589

Trichromacy



Original Color

52.2183, 44.8160, 5.9843

Protanomaly

44.1508, 44.3705, 6.6181

Deuteranomaly

47.7216, 44.5746, 6.1173

Tritanomaly

54.3379, 44.1634, 18.2308

Monochromacy



Original Color

52.2183, 44.8160, 5.9843

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

39.5354, 39.7757, 19.7811

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.2183, 44.8160, 5.9843 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, 3)` looks like.

```
.text, #text, p{  
    color:rgb(252, 157, 3)  
}
```

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, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 157, 3) }
```

Border

The CSS property to change the border of an element to XYZ 52.2183, 44.8160, 5.9843 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, 3) }
```


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

```
.border{ border-color:rgb(252, 157, 3) }
```

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, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 157, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 157, 3);  
box-shadow:4px 4px 4px 4px rgb(252, 157,  
3) }
```

Background

The CSS property to change the background color of an element to XYZ 52.2183, 44.8160, 5.9843 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, 3) }
```

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

```
.background{ background-color: rgb(252,  
157, 3) }
```

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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