

Converting Colors

XYZ(56.8837, 52.4973, 7.2992)

Have a look what the booklet for
XYZ(56.8837, 52.4973, 7.2992)
contains.

XYZ(56.7982, 52.3238, 7.2782)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.7982, 52.3238,
7.2782)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB006
RGB	255, 176, 6
RGB Percent	100%, 69%, 2%
CMY	0.0000, 0.3098, 0.9764
CMYK	0.00, 0.31, 0.98, 0.00
HSL	41°, 100%, 51%
HSV	41°, 98%, 100%
XYZ	56.7982, 52.3238, 7.2782
YIQ	180.2410, 101.6540, -36.1220

Conversions

Conversions Part 2

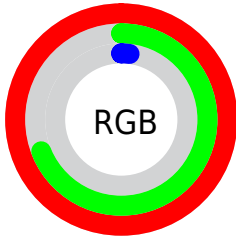
Format	Color
R _Y B	122, 255, 6
Decimal	16756742
CIE Lab	77.47, 18.24, 79.99
CIE LCh	77, 82.048, 77.153
Yxy	52.3238, 0.4880, 0.4495
Android (android.graphics.Color)	4294946822 (0xFFFFB006)
YUV	180.2410, -85.9008, 65.5636
Hunter-Lab	72.3352, 13.5731, 44.6690

Details

The XYZ color **56.7982, 52.3238, 7.2782** 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 **21.3745, 13.7573, 96.1359**, and the grayscale version is **43.9236, 46.2110, 50.3238**.

A 20% lighter version of the original color is **71.3772, 79.0364, 19.6772**, and **28.9459, 25.6218, 3.4199** is the 20% darker color. If you saturate the color by 10%, you get **56.3946, 51.5697, 6.9816**, and if you desaturate by 10%, it is **58.6546, 55.6829, 8.9888**.

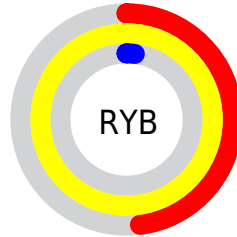
Distribution



Red (100%)

Green (69%)

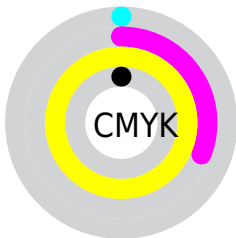
Blue (2%)



Red (48%)

Yellow (100%)

Blue (2%)

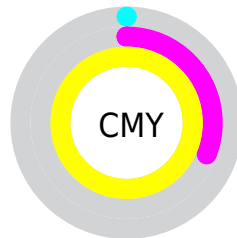


Cyan (0%)

Magenta (31%)

Yellow (98%)

Black (0%)



Cyan (0%)


Magenta (31%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7982, 52.3238, 7.2782 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 56.7982, 52.3238, 7.2782 by changing the saturation by 10% instead.


 56.7982, 52.3238,
7.2782


 56.7982, 52.3238,
7.2782

402.7191,
395.6854, 179.6734

 41.0828, 37.2632,
3.5556


 99.3037, 93.6086,
21.0531


 28.5717, 25.4114,
1.3849


 126.8245,
120.6016, 31.9424

 18.8997, 16.3838,
0.1299


 159.0112,
152.3409, 46.0578

 11.7014, 9.7961,
0.0000

 196.2290,
189.2109, 63.8176

 6.6114, 5.2640,
0.0000

 238.8433,
231.5959, 85.6406

 3.2645, 2.4030,
0.0000

 287.2195,

 1.2951, 0.8274,

279.8804, 111.9452

0.0000

341.7230,
334.4488, 143.1500

■ 0.1796, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7982, 52.3238,
7.2782

■ 56.7982, 52.3238,
7.2782

■ 56.3946, 51.5697,
6.9816

■ 58.6546, 55.6829,
8.9888

■ 60.8694, 59.3370,
12.1182

■ 63.5010, 63.3141,
16.9603

■ 66.5930, 67.6341,
23.7371

70.1825, 72.3142,
32.6373

74.3023, 77.3699,
43.8266

78.9823, 82.8153,
57.4544

84.2495, 88.6636,
73.6574

90.1294, 94.9270,
92.5620

Harmonies

Analogous

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



73.3870, 52.3238, 14.0256



56.7982, 52.3238, 7.2782



41.2990, 52.3238, 7.7159

Triad

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



56.7982, 52.3238, 7.2782



25.9836, 52.3238, 86.6801



75.4992, 52.3238, 138.9950

Complementary

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



56.7982, 52.3238, 7.2782



21.3745, 13.7573, 96.1359

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.



59.2417, 52.3238, 187.1187



56.7982, 52.3238, 7.2782



31.8000, 52.3238, 147.5427

Square

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



56.7982, 52.3238, 7.2782



25.6022, 52.3238, 39.7319



43.2780, 52.3238, 190.8826



85.6247, 52.3238, 78.5917

Rectangle

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



56.7982, 52.3238, 7.2782



33.5470, 52.3238, 11.9544



43.2780, 52.3238, 190.8826



70.4309, 52.3238, 158.2705

Sweetspot

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



56.7994, 52.3265, 7.2792



78.3125, 82.0520, 55.4531



43.1086, 22.1119, 11.4497



16.3269, 17.0599, 10.5907



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.



56.7994, 52.3265, 7.2792



56.3951, 51.5702, 6.9817



63.3792, 85.7540, 13.3846



19.0467, 20.0616, 19.0127



29.6080, 27.2272, 3.6949



2.9812, 2.8478, 0.3925

Inverse Universe

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



21.3745, 13.7573, 96.1359



20.9851, 13.0902, 96.0284



19.3113, 7.9672, 95.1270



17.4733, 18.3182, 22.8648



11.0830, 7.0756, 50.2162



1.1725, 0.8756, 4.9205

Previews

White Background



This preview shows how the XYZ color 56.7982, 52.3238, 7.2782 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 56.7982, 52.3238, 7.2782 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 56.7982, 52.3238, 7.2782

Background



This preview shows how black text looks on a background with the XYZ color 56.7982, 52.3238, 7.2782.



This preview shows how white text looks on a background with the XYZ color 56.7982, 52.3238,

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

56.7982, 52.3238, 7.2782

Protanopia

47.2697, 52.3387, 8.1413

Deuteranopia

53.6901, 52.5106, 7.3058



Tritanopia

63.0946, 52.1118, 48.8526

Trichromacy



Original Color

56.7982, 52.3238, 7.2782

Protanomaly

50.2647, 51.9699, 7.7627

Deuteranomaly

54.6900, 52.4211, 7.2932

Tritanomaly

58.7092, 51.2473, 23.0171

Monochromacy



Original Color

56.7982, 52.3238, 7.2782

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

45.0631, 46.7900, 23.4859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7982, 52.3238, 7.2782 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(255, 176, 6)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 6)  
}
```

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(255, 176, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 6) }
```

Border

The CSS property to change the border of an element to XYZ 56.7982, 52.3238, 7.2782 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(255, 176, 6) }
```


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

```
.border{ border-color:rgb(255, 176, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 6);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
6) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7982, 52.3238, 7.2782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 6) }
```

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

```
.background{ background-color: rgb(255,  
176, 6) }
```

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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