

Converting Colors

XYZ(56.7834, 55.0953, 7.6416)

Have a look what the booklet for
XYZ(56.7834, 55.0953, 7.6416)
contains.

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Color

**XYZ(56.7733, 55.0219,
7.6280)**

Conversions

Conversions Part 1

Format	Color
Hex	FAB900
RGB	250, 185, 0
RGB Percent	98%, 73%, 0%
CMY	0.0196, 0.2745, 0.9999
CMYK	0.00, 0.26, 1.00, 0.02
HSL	44°, 100%, 49%
HSV	44°, 100%, 98%
XYZ	56.7733, 55.0219, 7.6280
YIQ	183.3450, 98.1250, -43.7550

Conversions

Conversions Part 2

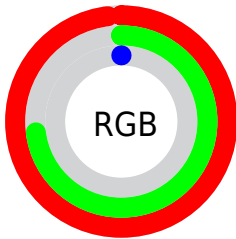
Format	Color
R_{YB}	88, 250, 0
Decimal	16431360
CIE _{Lab}	79.05, 11.37, 81.44
CIE _{LCh}	79, 82.228, 82.051
Yxy	55.0219, 0.4754, 0.4607
Android (android.graphics.Color)	4294621440 (0xFF _{FAB900})
YUV	183.3450, -90.3891, 58.4564
Hunter-Lab	74.1767, 6.8108, 45.8266

Details

The XYZ color **56.7733, 55.0219, 7.6280** is a dark color, and the websafe version is hex **FFCC00**. The color can be described as middle saturated orange. A complement of this color would be **19.1464, 10.6842, 91.4949**, and the grayscale version is **45.6455, 48.0227, 52.2967**.

A 20% lighter version of the original color is **74.2566, 84.7951, 20.6370**, and **28.9903, 27.1939, 3.7210** is the 20% darker color. If you saturate the color by 10%, you get **56.7733, 55.0225, 7.6281**, and if you desaturate by 10%, it is **58.3412, 57.8770, 9.0173**.

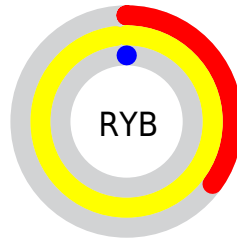
Distribution



Red (98%)

Green (73%)

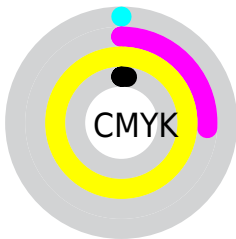
Blue (0%)



Red (35%)

Yellow (98%)

Blue (0%)

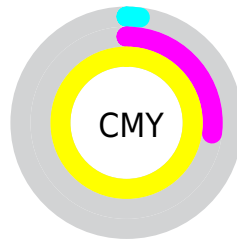


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7733, 55.0219, 7.6280 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 56.7733, 55.0219, 7.6280 by changing the saturation by 10% instead.


 56.7733, 55.0219,
7.6280


 56.7733, 55.0219,
7.6280


402.6272,
405.9949, 182.6087


 41.0627, 39.4193,
3.7735


 99.2676, 97.5730,
21.7599

 28.5560, 27.0860,
1.5019


 126.7820,
125.2903, 32.8744

 18.8878, 17.6379,
0.2194


 158.9617,
157.8146, 47.2459

 11.6927, 10.6903,
0.0000

 196.1721,
195.5303, 65.2931

 6.6055, 5.8590,
0.0000

 238.7784,
238.8218, 87.4344

 3.2608, 2.7595,
0.0000

 287.1462,

 1.2931, 1.0075,

288.0735, 114.0884

0.0000

341.6407,
343.6697, 145.6736

■ 0.1781, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.7733, 55.0219,
7.6280

■ 56.7733, 55.0219,
7.6280

■ 56.7733, 55.0225,
7.6281

■ 58.3412, 57.8770,
9.0173

■ 60.1957, 60.9453,
11.6108

■ 62.4080, 64.2588,
15.7740

■ 65.0209, 67.8357,
21.7282

■ 68.0703, 71.6917,
29.6587

■ 71.5877, 75.8406,
39.7279

■ 75.6013, 80.2949,
52.0812

■ 80.1372, 85.0660,
66.8510

■ 85.2190, 90.1647,
84.1598

Harmonies

Analogous

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



74.1484, 55.0219, 13.2240



56.7733, 55.0219, 7.6280



41.3439, 55.0219, 9.1720

Triad

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



56.7733, 55.0219, 7.6280



28.2047, 55.0219, 100.5416



81.2628, 55.0219, 134.2362

Complementary

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



56.7733, 55.0219, 7.6280



19.1464, 10.6842, 91.4949

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.



65.0308, 55.0219, 188.3837



56.7733, 55.0219, 7.6280



35.2247, 55.0219, 162.8637

Square

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



56.7733, 55.0219, 7.6280



26.8998, 55.0219, 48.2835



48.0618, 55.0219, 200.9510



90.0905, 55.0219, 73.2663

Rectangle

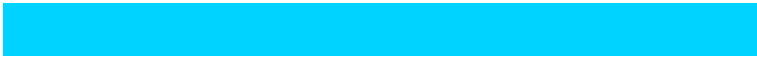
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56.7733, 55.0219, 7.6280



33.9149, 55.0219, 14.7977



48.0618, 55.0219, 200.9510



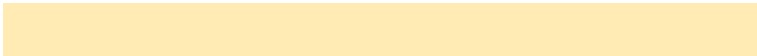
76.3483, 55.0219, 154.9167

Sweetspot

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



56.7745, 55.0247, 7.6290



79.0662, 83.9746, 54.4246



40.4278, 20.7257, 7.1298



16.5304, 17.5447, 10.4183



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.



56.7745, 55.0247, 7.6290



59.3736, 57.5273, 7.9745



55.8404, 79.5342, 12.4091



18.3231, 19.3821, 18.2378



30.2374, 29.4315, 4.0872



2.8862, 2.8973, 0.4071

Inverse Universe

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



19.1464, 10.6842, 91.4949



20.0156, 11.1513, 95.7052



19.0206, 7.8125, 90.9472



16.6499, 17.3766, 21.8618



10.2536, 5.8628, 48.5648



1.0317, 0.7070, 4.5253

Previews

White Background



This preview shows how the XYZ color 56.7733, 55.0219, 7.6280 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 56.7733, 55.0219, 7.6280 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 56.7733, 55.0219, 7.6280

Background



This preview shows how black text looks on a background with the XYZ color 56.7733, 55.0219, 7.6280.



This preview shows how white text looks on a background with the XYZ color 56.7733, 55.0219,

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

56.7733, 55.0219, 7.6280

Protanopia

49.8643, 55.3364, 8.4683

Deuteranopia

56.2703, 55.0743, 7.6646



Tritanopia

65.2390, 55.0773, 53.6469

Trichromacy



Original Color

56.7733, 55.0219, 7.6280

Protanomaly

52.3980, 55.3155, 8.1737

Deuteranomaly

56.6258, 55.2575, 7.6813

Tritanomaly

59.6984, 54.0314, 24.4222

Monochromacy



Original Color

56.7733, 55.0219, 7.6280

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.0250, 48.8073, 23.5180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7733, 55.0219, 7.6280 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(250, 185, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 185, 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(250, 185, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 185, 0) }
```

Border

The CSS property to change the border of an element to XYZ 56.7733, 55.0219, 7.6280 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(250, 185, 0) }
```


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

```
.border{ border-color:rgb(250, 185, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 185, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 185, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 185, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 185,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7733, 55.0219, 7.6280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 185, 0) }
```

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

```
.background{ background-color: rgb(250,  
185, 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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