

Converting Colors

XYZ(55.2561, 49.6896, 6.6787)

Have a look what the booklet for
XYZ(55.2561, 49.6896, 6.6787)
contains.

XYZ(55.2478, 49.8203, 6.7044)	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(55.2478, 49.8203,
6.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	FEAA00
RGB	254, 170, 0
RGB Percent	100%, 67%, 0%
CMY	0.0039, 0.3333, 0.9999
CMYK	0.00, 0.33, 1.00, 0.00
HSL	40°, 100%, 50%
HSV	40°, 100%, 100%
XYZ	55.2478, 49.8203, 6.7044
YIQ	175.7360, 104.6340, -35.0620

Conversions

Conversions Part 2

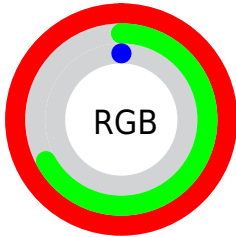
Format	Color
R_{YB}	126, 254, 0
Decimal	16689664
CIE Lab	75.96, 20.91, 79.57
CIE LCh	76, 82.274, 75.279
Yxy	49.8203, 0.4943, 0.4457
Android (android.graphics.Color)	4294879744 (0xFFFEAA00)
YUV	175.7360, -86.6378, 68.6375
Hunter-Lab	70.5835, 16.1961, 43.7768

Details

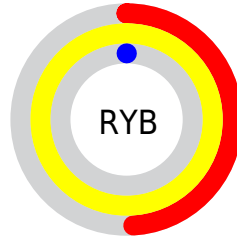
The XYZ color **55.2478, 49.8203, 6.7044** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **21.0605, 13.4978, 95.2605**, and the grayscale version is **41.5304, 43.6933, 47.5820**.

A 20% lighter version of the original color is **69.6132, 75.6896, 18.5300**, and **27.9643, 24.0332, 3.1650** is the 20% darker color. If you saturate the color by 10%, you get **55.2478, 49.8207, 6.7045**, and if you desaturate by 10%, it is **57.0542, 53.1456, 8.1945**.

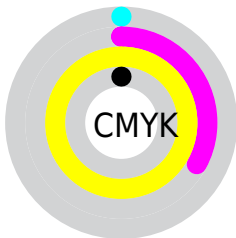
Distribution



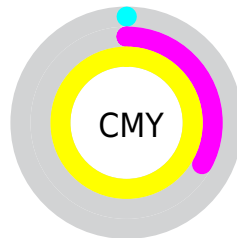
- Red (100%)
- Green (67%)
- Blue (0%)



- Red (49%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (33%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2478, 49.8203, 6.7044 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 55.2478, 49.8203, 6.7044 by changing the saturation by 10% instead.


 55.2478, 49.8203,
6.7044


 55.2478, 49.8203,
6.7044


396.9717,
385.9628, 174.7211


 39.8348, 35.2706,
3.2023


 97.0501, 89.9086,
19.8787

 27.5934, 23.8714,
1.1988


 124.1702,
116.2160, 30.3879


 18.1583, 15.2383,
0.0000


 155.9232,
147.2114, 44.0700

 11.1640, 8.9868,
0.0000

 192.6747,
183.2792, 61.3433

 6.2454, 4.7326,
0.0000

 234.7899,
224.8039, 82.6266

 3.0369, 2.0912,
0.0000

 282.6343,

 1.1733, 0.6597,

272.1698, 108.3383

0.0000

336.5731,
325.7613, 138.8969

■ 0.0852, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2478, 49.8203,
6.7044

■ 55.2478, 49.8203,
6.7044

■ 55.2478, 49.8207,
6.7045

■ 57.0542, 53.1456,
8.1945

■ 59.1956, 56.7668,
10.9480

■ 61.7462, 60.7183,
15.3425

■ 64.7514, 65.0212,
21.6085

■ 68.2495, 69.6933,
29.9393

■ 72.2742, 74.7510,
40.5040

■ 76.8557, 80.2087,
53.4539

■ 82.0217, 86.0801,
68.9272

■ 87.7978, 92.3779,
87.0513

Harmonies

Analogous

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



71.2790, 49.8203, 13.6474



55.2478, 49.8203, 6.7044



39.9997, 49.8203, 6.7573

Triad

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



55.2478, 49.8203, 6.7044



24.2237, 49.8203, 79.6810



71.5460, 49.8203, 138.0057

Complementary

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



55.2478, 49.8203, 6.7044



21.0605, 13.4978, 95.2605

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.



55.5557, 49.8203, 183.2905



55.2478, 49.8203, 6.7044



29.4872, 49.8203, 139.0921

Square

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



55.2478, 49.8203, 6.7044



24.1762, 49.8203, 35.4920



40.2480, 49.8203, 183.7701



81.9797, 49.8203, 78.6591

Rectangle

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



55.2478, 49.8203, 6.7044



32.2825, 49.8203, 10.3872



40.2480, 49.8203, 183.7701



66.5061, 49.8203, 156.5117

Sweetspot

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



55.2489, 49.8229, 6.7053



77.5400, 80.9221, 53.9159



42.4998, 21.7218, 10.4801



16.1645, 16.8129, 10.2963



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.



55.2489, 49.8229, 6.7053



55.7409, 50.2619, 6.7636



62.4976, 84.8310, 13.0805



19.0254, 20.0190, 19.0056



29.2684, 26.5481, 3.5817



2.9500, 2.7853, 0.3821

Inverse Universe

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



21.0605, 13.4978, 95.2605



21.2459, 13.6118, 96.1153



18.8585, 7.6557, 94.2489



17.4937, 18.3589, 22.8716



11.2227, 7.3550, 50.2627



1.1880, 0.9067, 4.9257

Previews

White Background



This preview shows how the XYZ color 55.2478, 49.8203, 6.7044 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 55.2478, 49.8203, 6.7044 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 55.2478, 49.8203, 6.7044

Background



This preview shows how black text looks on a background with the XYZ color 55.2478, 49.8203, 6.7044.



This preview shows how white text looks on a background with the XYZ color 55.2478, 49.8203,

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

55.2478, 49.8203, 6.7044

Protanopia

45.2358, 50.0040, 7.7979

Deuteranopia

50.8454, 49.8453, 6.9413



Tritanopia

61.4313, 49.7283, 45.3905

Trichromacy



Original Color

55.2478, 49.8203, 6.7044

Protanomaly

48.2628, 49.4028, 7.3086

Deuteranomaly

52.2921, 49.7146, 6.8398

Tritanomaly

57.2758, 48.9150, 20.8908

Monochromacy



Original Color

55.2478, 49.8203, 6.7044

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.9625, 44.2793, 21.6116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2478, 49.8203, 6.7044 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(254, 170, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 170, 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(254, 170, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 170, 0) }
```

Border

The CSS property to change the border of an element to XYZ 55.2478, 49.8203, 6.7044 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(254, 170, 0) }
```


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

```
.border{ border-color:rgb(254, 170, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 170, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 170, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 170, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 170,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2478, 49.8203, 6.7044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 170, 0) }
```

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

```
.background{ background-color: rgb(254,  
170, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor