

Converting Colors

XYZ(47.5194, 39.0349, 8.7459)

Have a look what the booklet for
XYZ(47.5194, 39.0349, 8.7459)
contains.

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Color

**XYZ(47.4984, 38.9851,
8.7628)**

Conversions

Conversions Part 1

Format	Color
Hex	F38F38
RGB	243, 143, 56
RGB Percent	95%, 56%, 22%
CMY	0.0471, 0.4392, 0.7804
CMYK	0.00, 0.41, 0.77, 0.05
HSL	28°, 89%, 59%
HSV	28°, 77%, 95%
XYZ	47.4984, 38.9851, 8.7628
YIQ	162.9820, 87.5270, -5.8570

Conversions

Conversions Part 2

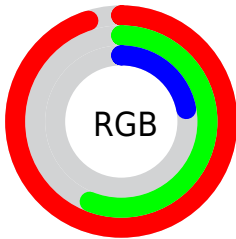
Format	Color
R _Y B	243, 219, 56
Decimal	15961912
CIE Lab	68.74, 31.52, 59.76
CIE LCh	69, 67.559, 62.189
Yxy	38.9851, 0.4987, 0.4093
Android (android.graphics.Color)	4294151992 (0xFF38F38)
YUV	162.9820, -52.7421, 70.1758
Hunter-Lab	62.4380, 26.5234, 35.3856

Details

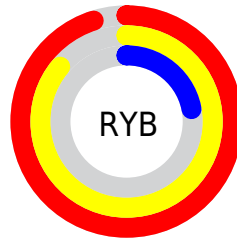
The XYZ color **47.4984, 38.9851, 8.7628** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **29.6962, 31.0870, 89.2286**, and the grayscale version is **35.0176, 36.8412, 40.1201**.

A 20% lighter version of the original color is **63.9130, 62.2752, 22.8391**, and **22.8832, 17.4780, 2.1675** is the 20% darker color. If you saturate the color by 10%, you get **45.2030, 35.1260, 5.7430**, and if you desaturate by 10%, it is **50.3097, 43.4155, 13.3766**.

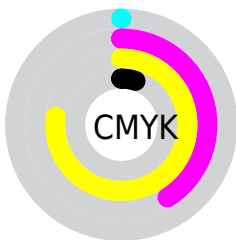
Distribution



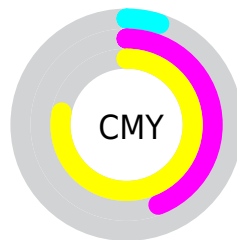
- Red (95%)
- Green (56%)
- Blue (22%)



- Red (95%)
- Yellow (86%)
- Blue (22%)



- Cyan (0%)
- Magenta (41%)
- Yellow (77%)
- Black (5%)





- Cyan (5%)
- Magenta (44%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.4984, 38.9851, 8.7628 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 47.4984, 38.9851, 8.7628 by changing the saturation by 10% instead.


 47.4984, 38.9851,
8.7628


 47.4984, 38.9851,
8.7628


367.4162,
341.8271, 191.7509


 33.6394, 26.7481,
4.4921


 85.6713, 73.6156,
24.0112

 22.7783, 17.3842,
1.8990


 110.7160, 96.7778,
35.8260

 14.5497, 10.5088,
0.4921


 140.2199,
124.3507, 50.9925

 8.5882, 5.7376,
0.0000

 174.5485,
156.7185, 69.9294

 4.5285, 2.6862,
0.0000

 214.0671,
194.2656, 93.0551

 2.0053, 0.9702,
0.0000

 259.1410,

 0.6369, 0.0000,

237.3765, 120.7883

0.0000

310.1356,
286.4356, 153.5473

■ 0.0000, 0.0000,
0.0000

■ 47.4984, 38.9851,
8.7628

■ 47.4984, 38.9851,
8.7628

■ 45.2030, 35.1260,
5.7430

■ 50.3097, 43.4155,
13.3766

■ 43.3660, 31.7979,
4.0645


■ 53.6783, 48.4403,
19.7785


■ 42.8738, 30.8784,
3.7004

■ 57.6434, 54.0881,
28.1368


■ 62.2395, 60.3835,
38.5995

■ 67.4979, 67.3491,
51.3001

 73.4477, 75.0065,
66.3610

 80.1159, 83.3762,
83.8956

 87.5282, 92.4776,
104.0101

 90.7719, 97.7945,
108.6998

Harmonies

Analogous

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



57.3203, 38.9851, 18.1721



47.4984, 38.9851, 8.7628



36.2743, 38.9851, 6.6077

Triad

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



47.4984, 38.9851, 8.7628



20.0719, 38.9851, 44.7375



49.1218, 38.9851, 114.3263

Complementary

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



47.4984, 38.9851, 8.7628



29.6962, 31.0870, 89.2286

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.



37.8451, 38.9851, 132.6652



47.4984, 38.9851, 8.7628



22.2354, 38.9851, 82.1782

Square

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



47.4984, 38.9851, 8.7628



21.6813, 38.9851, 20.4761



28.2655, 38.9851, 118.7360



58.3773, 38.9851, 76.2737

Rectangle

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



47.4984, 38.9851, 8.7628



29.8189, 38.9851, 7.9376



28.2655, 38.9851, 118.7360



45.3743, 38.9851, 123.6476

Sweetspot

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



47.4993, 38.9871, 8.7635



77.8022, 78.3785, 63.4616



44.6212, 24.3812, 35.0873



16.1560, 16.1316, 12.3416



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.



47.4993, 38.9871, 8.7635



49.2932, 37.1586, 5.2549



66.9989, 77.9863, 15.2634



17.1347, 17.7535, 17.3212



23.6629, 17.2114, 2.0750



2.1815, 1.7163, 0.2163

Inverse Universe

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



29.6962, 31.0870, 89.2286



28.6020, 27.8836, 98.4823



19.7192, 11.1330, 85.9030



16.3150, 17.3943, 21.0401



13.3920, 12.5778, 48.2599



1.2799, 1.3111, 4.2759

Previews

White Background



This preview shows how the XYZ color 47.4984, 38.9851, 8.7628 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 47.4984, 38.9851, 8.7628 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 47.4984, 38.9851, 8.7628

Background



This preview shows how black text looks on a background with the XYZ color 47.4984, 38.9851, 8.7628.



This preview shows how white text looks on a background with the XYZ color 47.4984, 38.9851,

8.7628.

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

47.4984, 38.9851, 8.7628

Protanopia

35.6389, 39.0555, 10.3627

Deuteranopia

40.0105, 39.2208, 8.4792



Tritanopia

52.2705, 39.0203, 31.1623

Trichromacy



Original Color

47.4984, 38.9851, 8.7628

Protanomaly

39.2262, 38.5324, 9.6450

Deuteranomaly

42.6069, 39.0471, 8.5400

Tritanomaly

49.8763, 38.6540, 20.1614

Monochromacy



Original Color

47.4984, 38.9851, 8.7628

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

37.2648, 36.4386, 24.1381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4984, 38.9851, 8.7628 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(243, 143, 56)` looks like.

```
.text, #text, p{  
    color:rgb(243, 143, 56)  
}
```

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(243, 143, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 143, 56) }
```

Border

The CSS property to change the border of an element to XYZ 47.4984, 38.9851, 8.7628 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(243, 143, 56) }
```


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

```
.border{ border-color:rgb(243, 143, 56) }
```

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

Here you see how a box with a 4 pixel rgb(243, 143, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 143, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 143, 56);  
box-shadow:4px 4px 4px 4px rgb(243, 143,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4984, 38.9851, 8.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 143, 56) }
```

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

```
.background{ background-color: rgb(243,  
143, 56) }
```

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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