

Converting Colors

XYZ(54.8326, 47.8931, 8.1629)

Have a look what the booklet for
XYZ(54.8326, 47.8931, 8.1629)
contains.

XYZ(54.8653, 47.9509, 8.1974)	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(54.8653, 47.9509,
8.1974)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA426
RGB	255, 164, 38
RGB Percent	100%, 64%, 15%
CMY	0.0000, 0.3568, 0.8510
CMYK	0.00, 0.36, 0.85, 0.00
HSL	35°, 100%, 57%
HSV	35°, 85%, 100%
XYZ	54.8653, 47.9509, 8.1974
YIQ	176.8450, 94.6820, -19.8940

Conversions

Conversions Part 2

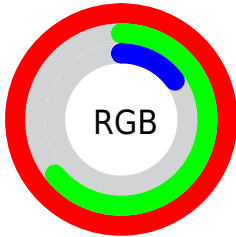
Format	Color
RYB	195, 255, 38
Decimal	16753702
CIELab	74.79, 24.96, 72.09
CIELCh	75, 76.290, 70.901
Yxy	47.9509, 0.4942, 0.4319
Android (android.graphics.Color)	4294943782 (0xFFFFFA426)
YUV	176.8450, -68.4506, 68.5419
Hunter-Lab	69.2466, 20.2472, 41.4539

Details

The XYZ color **54.8653, 47.9509, 8.1974** is a light color, and the websafe version is hex **FF9900**. The color can be described as light washed orange. A complement of this color would be **26.6991, 23.3317, 97.7032**, and the grayscale version is **42.0232, 44.2117, 48.1466**.

A 20% lighter version of the original color is **68.6828, 72.7676, 21.4919**, and **27.5324, 22.7948, 2.9487** is the 20% darker color. If you saturate the color by 10%, you get **52.7519, 44.1732, 6.1102**, and if you desaturate by 10%, it is **57.4227, 52.1678, 11.8198**.

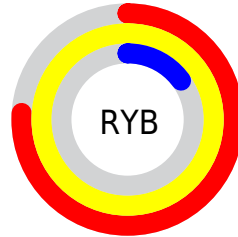
Distribution



Red (100%)

Green (64%)

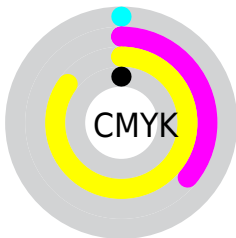
Blue (15%)



Red (76%)

Yellow (100%)

Blue (15%)

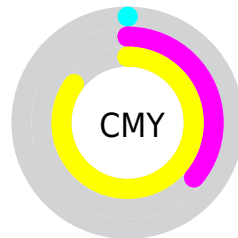


Cyan (0%)

Magenta (36%)

Yellow (85%)

Black (0%)



Cyan (0%)


Magenta (36%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.8653, 47.9509, 8.1974 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 54.8653, 47.9509, 8.1974 by changing the saturation by 10% instead.


 54.8653, 47.9509,
8.1974


 54.8653, 47.9509,
8.1974


395.5458,
378.5975, 187.2643


 39.5273, 33.7880,
4.1319


 96.4930, 87.1313,
22.8971


 27.3527, 22.7308,
1.6980


 123.5135,
112.9176, 34.3683


 17.9763, 14.3948,
0.3594


 155.1588,
143.3471, 49.1453

 11.0325, 8.3958,
0.0000

 191.7944,
178.8043, 67.6465

 6.1562, 4.3492,
0.0000

 233.7855,
219.6736, 90.2904

 2.9818, 1.8708,
0.0000

 281.4975,

 1.1442, 0.5307,

266.3392, 117.4957

0.0000

335.2959,
319.1857, 149.6808

■ 0.0616, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.8653, 47.9509,
8.1974

■ 54.8653, 47.9509,
8.1974

■ 52.7519, 44.1732,
6.1102

■ 57.4227, 52.1678,
11.8198


■ 51.8407, 42.4619,
5.4637


■ 60.4743, 56.8438,
17.2368


■ 64.0650, 62.0049,
24.6621

■ 68.2328, 67.6719,
34.2784

 73.0117, 73.8640,
46.2475

 78.4327, 80.5988,
60.7159

 84.5243, 87.8932,
77.8182

 91.3132, 95.7627,
97.6789

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



68.8362, 47.9509, 16.4825



54.8653, 47.9509, 8.1974



40.7190, 47.9509, 7.4025

Triad

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



54.8653, 47.9509, 8.1974



24.0935, 47.9509, 68.0169



65.3496, 47.9509, 133.7703

Complementary

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



54.8653, 47.9509, 8.1974



26.6991, 23.3317, 97.7032

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.



50.8044, 47.9509, 168.7605



54.8653, 47.9509, 8.1974



28.2524, 47.9509, 119.8346

Square

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



54.8653, 47.9509, 8.1974



24.7441, 47.9509, 31.0045



37.3991, 47.9509, 162.6604



75.6868, 47.9509, 81.3822

Rectangle

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



54.8653, 47.9509, 8.1974



33.2125, 47.9509, 10.2833



37.3991, 47.9509, 162.6604



60.6800, 47.9509, 148.9178

Sweetspot

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



54.8664, 47.9534, 8.1983



77.9162, 79.9680, 59.3023



46.1002, 24.3133, 24.1058



16.2639, 16.6074, 11.5754



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.



54.8664, 47.9534, 8.1983



51.8411, 42.4623, 5.4637



72.2259, 90.2780, 15.4528



18.8856, 19.7394, 18.9590



27.2391, 22.4894, 2.9052



2.7603, 2.4059, 0.3189

Inverse Universe

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



26.6991, 23.3317, 97.7032



23.3002, 17.7205, 96.8001



20.1837, 9.3491, 95.3477



17.6289, 18.6294, 22.9166



12.3146, 9.5387, 50.6267



1.3041, 1.1390, 4.9644

Previews

White Background



This preview shows how the XYZ color 54.8653, 47.9509, 8.1974 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 54.8653, 47.9509, 8.1974 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 54.8653, 47.9509, 8.1974

Background



This preview shows how black text looks on a background with the XYZ color 54.8653, 47.9509, 8.1974.



This preview shows how white text looks on a background with the XYZ color 54.8653, 47.9509,

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

54.8653, 47.9509, 8.1974

Protanopia

43.5171, 48.1377, 9.2834

Deuteranopia

49.1816, 48.0825, 7.9850



Tritanopia

60.0114, 47.7901, 42.1379

Trichromacy



Original Color

54.8653, 47.9509, 8.1974

Protanomaly

46.8628, 47.4517, 8.7870

Deuteranomaly

51.1273, 47.9421, 8.0724

Tritanomaly

56.9679, 47.3882, 23.5971

Monochromacy



Original Color

54.8653, 47.9509, 8.1974

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

43.6953, 43.9905, 25.9267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.8653, 47.9509, 8.1974 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, 164, 38)` looks like.

```
.text, #text, p{  
    color:rgb(255, 164, 38)  
}
```

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, 164, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 164, 38) }
```

Border

The CSS property to change the border of an element to XYZ 54.8653, 47.9509, 8.1974 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, 164, 38) }
```


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

```
.border{ border-color:rgb(255, 164, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 164, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 164, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 164, 38);  
box-shadow:4px 4px 4px 4px rgb(255, 164,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 54.8653, 47.9509, 8.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 164, 38) }
```

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

```
.background{ background-color: rgb(255,  
164, 38) }
```

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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