

Converting Colors

XYZ(52.5614, 47.0884, 8.4994)

Have a look what the booklet for
XYZ(52.5614, 47.0884, 8.4994)
contains.

XYZ(52.5845, 47.0339, 8.4974)	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(52.5845, 47.0339,
8.4974)**

Conversions

Conversions Part 1

Format	Color
Hex	F8A52A
RGB	248, 165, 42
RGB Percent	97%, 65%, 16%
CMY	0.0275, 0.3529, 0.8353
CMYK	0.00, 0.33, 0.83, 0.03
HSL	36°, 94%, 57%
HSV	36°, 83%, 97%
XYZ	52.5845, 47.0339, 8.4974
YIQ	175.7950, 88.9510, -20.6570

Conversions

Conversions Part 2

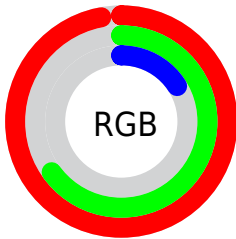
Format	Color
R_{YB}	181, 248, 42
Decimal	16295210
CIE _{Lab}	74.21, 21.62, 70.07
CIE _{LCh}	74, 73.329, 72.850
Yxy	47.0339, 0.4864, 0.4350
Android (android.graphics.Color)	4294485290 (0xFFFF8A52A)
YUV	175.7950, -65.9609, 63.3238
Hunter-Lab	68.5813, 16.8472, 40.6607

Details

The XYZ color **52.5845, 47.0339, 8.4974** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **25.2314, 21.9361, 91.7107**, and the grayscale version is **41.4617, 43.6209, 47.5032**.

A 20% lighter version of the original color is **69.0853, 73.3473, 22.3206**, and **26.1548, 22.2494, 2.9160** is the 20% darker color. If you saturate the color by 10%, you get **50.5379, 43.4453, 6.2609**, and if you desaturate by 10%, it is **55.0481, 51.0186, 12.2257**.

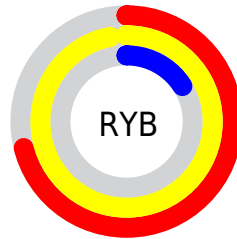
Distribution



Red (97%)

Green (65%)

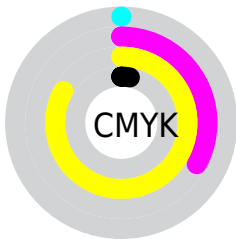
Blue (16%)



Red (71%)

Yellow (97%)

Blue (16%)

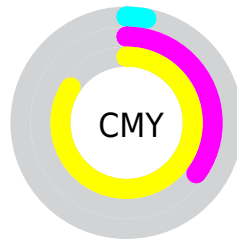


Cyan (0%)

Magenta (33%)

Yellow (83%)

Black (3%)



Cyan (3%)


Magenta (35%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5845, 47.0339, 8.4974 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 52.5845, 47.0339, 8.4974 by changing the saturation by 10% instead.


 52.5845, 47.0339,
8.4974


 52.5845, 47.0339,
8.4974


386.9760,
374.9498, 189.6608

 37.6973, 33.0625,
4.3225

 93.1618, 85.7642,
23.4900

 25.9240, 22.1743,
1.8039


 119.5827,
111.2919, 35.1448

 16.8992, 13.9850,
0.4305


 150.5788,
141.4404, 50.1300

 10.2575, 8.1103,
0.0000

 186.5156,
176.5942, 68.8641

 5.6336, 4.1656,
0.0000

 227.7583,
217.1376, 91.7658

 2.6621, 1.7666,
0.0000

 274.6724,

 0.9777, 0.4662,

263.4551, 119.2534

0.0000

327.6232,
315.9311, 151.7456

■ 0.0000, 0.0000,
0.0000

■ 52.5845, 47.0339,
8.4974

■ 52.5845, 47.0339,
8.4974

■ 50.5379, 43.4453,
6.2609

■ 55.0481, 51.0186,
12.2257


■ 49.3142, 41.1625,
5.3460

■ 57.9726, 55.4159,
17.6757


■ 61.3981, 60.2487,
25.0397


■ 65.3590, 65.5353,
34.4839

■ 69.8859, 71.2926,
46.1559

 75.0070, 77.5361,
60.1900

 80.7481, 84.2805,
76.7096

 87.1335, 91.5398,
95.8297

 92.4991, 98.6522,
108.7743

Harmonies

Analogous

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



65.9281, 47.0339, 16.0580



52.5845, 47.0339, 8.4974



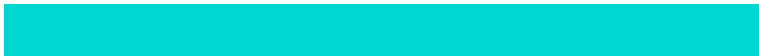
39.3121, 47.0339, 8.0797

Triad

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



52.5845, 47.0339, 8.4974



24.3021, 47.0339, 69.0690



64.2048, 47.0339, 124.7845

Complementary

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



52.5845, 47.0339, 8.4974



25.2314, 21.9361, 91.7107

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.



50.5683, 47.0339, 159.2640



52.5845, 47.0339, 8.4974



28.6077, 47.0339, 117.9544

Square

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



52.5845, 47.0339, 8.4974



24.6307, 47.0339, 32.6851



37.6536, 47.0339, 156.2859



73.4876, 47.0339, 75.6773

Rectangle

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



52.5845, 47.0339, 8.4974



32.3407, 47.0339, 11.2806



37.6536, 47.0339, 156.2859



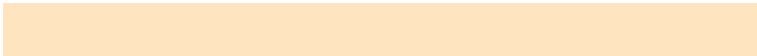
59.8747, 47.0339, 139.3450

Sweetspot

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



52.5856, 47.0363, 8.4983



78.7783, 81.2463, 60.9646



43.4248, 23.1668, 22.5483



16.4448, 16.8841, 11.8986



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.



52.5856, 47.0363, 8.4983



52.5111, 43.8023, 5.6870



66.8864, 84.2628, 14.9300



18.1065, 18.9490, 18.1656



26.7809, 22.5184, 2.9350



2.5843, 2.2934, 0.3065

Inverse Universe

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



25.2314, 21.9361, 91.7107



22.8740, 16.8680, 96.6580



19.5851, 9.3686, 89.5825



16.8570, 17.7909, 21.9308



11.7389, 8.8334, 49.0599



1.1880, 1.0198, 4.5774

Previews

White Background



This preview shows how the XYZ color 52.5845, 47.0339, 8.4974 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 52.5845, 47.0339, 8.4974 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 52.5845, 47.0339, 8.4974

Background



This preview shows how black text looks on a background with the XYZ color 52.5845, 47.0339, 8.4974.



This preview shows how white text looks on a background with the XYZ color 52.5845, 47.0339,

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

52.5845, 47.0339, 8.4974

Protanopia

42.6234, 47.0513, 9.5246

Deuteranopia

47.9265, 46.8501, 8.3507



Tritanopia

59.5871, 47.0878, 41.5456

Trichromacy



Original Color

52.5845, 47.0339, 8.4974

Protanomaly

45.8178, 46.6123, 9.0648

Deuteranomaly

49.6660, 46.9005, 8.3545

Tritanomaly

55.7619, 46.5052, 23.8067

Monochromacy



Original Color

52.5845, 47.0339, 8.4974

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.9404, 43.5939, 26.2299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5845, 47.0339, 8.4974 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(248, 165, 42)` looks like.

```
.text, #text, p{  
    color:rgb(248, 165, 42)  
}
```

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(248, 165, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 165, 42) }
```

Border

The CSS property to change the border of an element to XYZ 52.5845, 47.0339, 8.4974 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(248, 165, 42) }
```


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

```
.border{ border-color:rgb(248, 165, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 165, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 165, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 165, 42);  
box-shadow:4px 4px 4px 4px rgb(248, 165,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5845, 47.0339, 8.4974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 165, 42) }
```

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

```
.background{ background-color: rgb(248,  
165, 42) }
```

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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