

Converting Colors

XYZ(54.2287, 46.5688, 8.3210)

Have a look what the booklet for
XYZ(54.2287, 46.5688, 8.3210)
contains.

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Color

**XYZ(54.2287, 46.5688,
8.3210)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA02A
RGB	255, 160, 42
RGB Percent	100%, 63%, 16%
CMY	0.0000, 0.3725, 0.8353
CMYK	0.00, 0.37, 0.84, 0.00
HSL	33°, 100%, 58%
HSV	33°, 84%, 100%
XYZ	54.2287, 46.5688, 8.3210
YIQ	174.9530, 94.4980, -16.5580

Conversions

Conversions Part 2

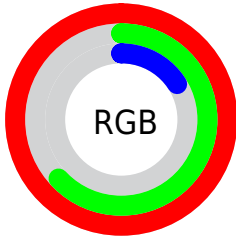
Format	Color
RYB	213, 255, 42
Decimal	16752682
CIELab	73.91, 27.14, 70.15
CIELCh	74, 75.218, 68.847
Yxy	46.5688, 0.4970, 0.4268
Android (android.graphics.Color)	4294942762 (0xFFFFA02A)
YUV	174.9530, -65.5458, 70.2012
Hunter-Lab	68.2413, 22.4246, 40.5394

Details

The XYZ color **54.2287, 46.5688, 8.3210** 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 **27.9500, 25.6025, 98.0756**, and the grayscale version is **41.0190, 43.1552, 46.9960**.

A 20% lighter version of the original color is **67.7926, 70.7617, 21.8897**, and **27.1008, 21.9316, 2.8049** is the 20% darker color. If you saturate the color by 10%, you get **52.0268, 42.6783, 6.0059**, and if you desaturate by 10%, it is **56.9028, 50.9407, 12.2233**.

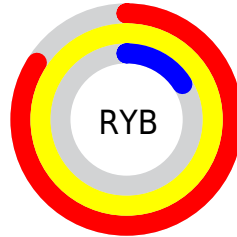
Distribution



Red (100%)

Green (63%)

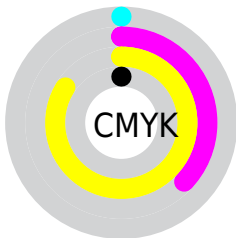
Blue (16%)



Red (84%)

Yellow (100%)

Blue (16%)

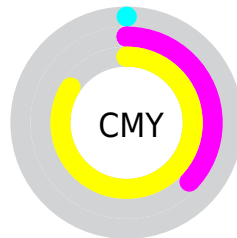


Cyan (0%)

Magenta (37%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 54.2287, 46.5688, 8.3210 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 54.2287, 46.5688, 8.3210 by changing the saturation by 10% instead.


 54.2287, 46.5688,
8.3210


 54.2287, 46.5688,
8.3210


393.1656,
373.0907, 188.2562

 39.0159, 32.6949,
4.2103

 95.5649, 85.0696,
23.1418

 26.9529, 21.8928,
1.7414

 122.4190,
110.4653, 34.6891

 17.6743, 13.7782,
0.3889


 153.8843,
140.4704, 49.5523

 10.8146, 7.9665,
0.0000

 190.3261,
175.4693, 68.1499

 6.0087, 4.0735,
0.0000

 232.1098,
215.8464, 90.9006

 2.8911, 1.7148,
0.0000

 279.6007,

 1.0964, 0.4332,

261.9861, 118.2228

0.0000

333.1642,
314.2727, 150.5352

■ 0.0221, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.2287, 46.5688,
8.3210

■ 54.2287, 46.5688,
8.3210

■ 52.0268, 42.6783,
6.0059


■ 56.9028, 50.9407,
12.2233


■ 50.8050, 40.3905,
5.1184


■ 60.0981, 55.8151,
17.9629


■ 63.8593, 61.2191,
25.7478

■ 68.2245, 67.1746,
35.7574

 73.2278, 73.7020,
48.1511

 78.9006, 80.8204,
63.0736

 85.2716, 88.5475,
80.6577

 92.3680, 96.9003,
101.0272

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.



67.5206, 46.5688, 17.0703



54.2287, 46.5688, 8.3210



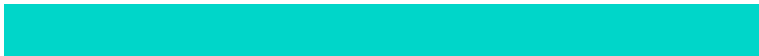
40.4158, 46.5688, 7.1529

Triad

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



54.2287, 46.5688, 8.3210



23.3686, 46.5688, 62.9251



62.4751, 46.5688, 132.6474

Complementary

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



54.2287, 46.5688, 8.3210



27.9500, 25.6025, 98.0756

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.



48.3453, 46.5688, 164.1881



54.2287, 46.5688, 8.3210



27.0718, 46.5688, 112.5201

Square

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



54.2287, 46.5688, 8.3210



24.3151, 46.5688, 28.4625



35.5985, 46.5688, 155.3873



72.9103, 46.5688, 82.2754

Rectangle

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



54.2287, 46.5688, 8.3210



32.9561, 46.5688, 9.6397



35.5985, 46.5688, 155.3873



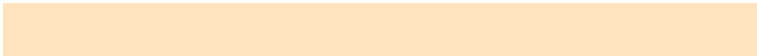
57.8970, 46.5688, 146.7228

Sweetspot

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



54.2297, 46.5712, 8.3219



78.0228, 79.7351, 60.7128



46.6445, 24.7468, 26.3068



16.2644, 16.5233, 11.8384



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.



54.2297, 46.5712, 8.3219



50.8054, 40.3909, 5.1185



73.6072, 90.9822, 15.8727



18.8439, 19.6559, 18.9451



26.6983, 21.4078, 2.7250



2.7086, 2.3025, 0.3017

Inverse Universe

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



27.9500, 25.6025, 98.0756



24.0364, 19.1927, 97.0455



20.3281, 9.6237, 95.3931



17.6699, 18.7114, 22.9303



12.7032, 10.3160, 50.7562



1.3439, 1.2184, 4.9776

Previews

White Background



This preview shows how the XYZ color 54.2287, 46.5688, 8.3210 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 54.2287, 46.5688, 8.3210 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 54.2287, 46.5688, 8.3210

Background



This preview shows how black text looks on a background with the XYZ color 54.2287, 46.5688, 8.3210.



This preview shows how white text looks on a background with the XYZ color 54.2287, 46.5688,

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

54.2287, 46.5688, 8.3210

Protanopia

42.1633, 46.5067, 9.5507

Deuteranopia

47.8801, 46.8315, 8.1059



Tritanopia

59.1528, 46.6511, 40.0693

Trichromacy



Original Color

54.2287, 46.5688, 8.3210

Protanomaly

46.0606, 46.1573, 9.0664

Deuteranomaly

49.9491, 46.4959, 8.1757

Tritanomaly

56.3985, 46.3449, 23.1125

Monochromacy



Original Color

54.2287, 46.5688, 8.3210

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.1073, 43.1191, 26.1295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.2287, 46.5688, 8.3210 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, 160, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 160, 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(255, 160, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 160, 42) }
```

Border

The CSS property to change the border of an element to XYZ 54.2287, 46.5688, 8.3210 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, 160, 42) }
```


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

```
.border{ border-color:rgb(255, 160, 42) }
```

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

Here you see how a box with a 4 pixel rgb(255, 160, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 160, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 160, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 160,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 54.2287, 46.5688, 8.3210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 160, 42) }
```

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

```
.background{ background-color: rgb(255,  
160, 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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