

Converting Colors

XYZ(53.6144, 46.1264, 12.6410)

Have a look what the booklet for
XYZ(53.6144, 46.1264, 12.6410)
contains.

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Color

**XYZ(53.5905, 46.1453,
12.5610)**

Conversions

Conversions Part 1

Format	Color
Hex	FBA04A
RGB	251, 160, 74
RGB Percent	98%, 63%, 29%
CMY	0.0157, 0.3725, 0.7098
CMYK	0.00, 0.36, 0.71, 0.02
HSL	29°, 96%, 64%
HSV	29°, 71%, 98%
XYZ	53.5905, 46.1453, 12.5610
YIQ	177.4050, 81.8420, -7.4540

Conversions

Conversions Part 2

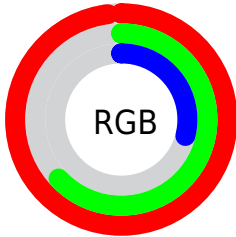
Format	Color
RYB	251, 241, 74
Decimal	16490570
CIELab	73.64, 26.69, 57.19
CIELCh	74, 63.111, 64.984
Yxy	46.1453, 0.4772, 0.4109
Android (android.graphics.Color)	4294680650 (0xFFFBA04A)
YUV	177.4050, -50.9787, 64.5428
Hunter-Lab	67.9303, 21.9413, 36.5879

Details

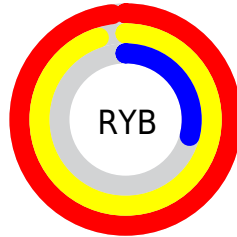
The XYZ color **53.5905, 46.1453, 12.5610** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.6909, 35.3293, 96.3096**, and the grayscale version is **42.2341, 44.4336, 48.3882**.

A 20% lighter version of the original color is **69.3063, 71.3672, 29.8611**, and **26.4664, 21.5910, 3.3886** is the 20% darker color. If you saturate the color by 10%, you get **50.7855, 41.6297, 8.2536**, and if you desaturate by 10%, it is **56.9669, 51.2649, 18.7228**.

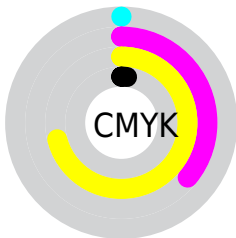
Distribution



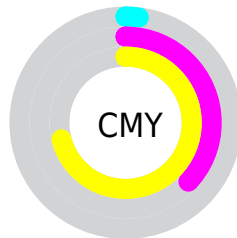
- Red (98%)
- Green (63%)
- Blue (29%)



- Red (98%)
- Yellow (95%)
- Blue (29%)



- Cyan (0%)
- Magenta (36%)
- Yellow (71%)
- Black (2%)





- Cyan (2%)
- Magenta (37%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.5905, 46.1453, 12.5610 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 53.5905, 46.1453, 12.5610 by changing the saturation by 10% instead.


 53.5905, 46.1453,
12.5610


 53.5905, 46.1453,
12.5610


390.7704,
371.3925, 219.1928


 38.5037, 32.3605,
6.9998

 94.6331, 84.4364,
31.1924

 26.5529, 21.6370,
3.3835


 121.3197,
109.7115, 45.0996


 17.3725, 13.5904,
1.2936


 152.6036,
139.5855, 62.6259

 10.5974, 7.8364,
0.0566

 188.8502,
174.4427, 84.1899

 5.8621, 3.9904,
0.0000

 230.4248,
214.6677, 110.2100

 2.8013, 1.6682,
0.0000

277.6928,

 1.0496, 0.4029,

260.6447, 141.1048

0.0000

331.0196,
312.7582, 177.2929

■ 0.0000, 0.0000,
0.0000

■ 53.5905, 46.1453,
12.5610

■ 53.5905, 46.1453,
12.5610

■ 50.7855, 41.6297,
8.2536

■ 56.9669, 51.2649,
18.7228

■ 48.4990, 37.6798,
5.5702


■ 60.9541, 57.0091,
26.9272


■ 46.7384, 34.4191,
4.1802


■ 65.5910, 63.4059,
37.3421

■ 70.9117, 70.4788,
50.1167

■ 76.9476, 78.2500,
65.3873

 83.7282, 86.7406,
83.2797

 91.2810, 95.9705,
103.9109

 93.5934, 99.2491,
108.8318

Harmonies

Analogous

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



63.9302, 46.1453, 22.5716



53.5905, 46.1453, 12.5610



42.0191, 46.1453, 10.4876

Triad

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



53.5905, 46.1453, 12.5610



25.7439, 46.1453, 55.7833



57.3721, 46.1453, 119.4289

Complementary

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



53.5905, 46.1453, 12.5610



33.6909, 35.3293, 96.3096

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.



45.7534, 46.1453, 139.8912



53.5905, 46.1453, 12.5610



28.5023, 46.1453, 94.4417

Square

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



53.5905, 46.1453, 12.5610



27.1244, 46.1453, 28.4515



35.3845, 46.1453, 129.2077



66.3606, 46.1453, 81.0268

Rectangle

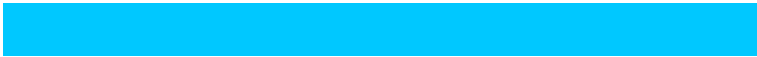
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.5905, 46.1453, 12.5610



35.3942, 46.1453, 12.5551



35.3845, 46.1453, 129.2077



53.5777, 46.1453, 129.2357

Sweetspot

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



53.5916, 46.1477, 12.5619



79.4336, 80.6942, 66.9252



49.0650, 28.1401, 38.6584



16.6180, 16.7818, 13.3394



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.



53.5916, 46.1477, 12.5619



51.5023, 41.2184, 7.0964



74.6020, 88.1686, 19.5653



17.9408, 18.6174, 18.1103



24.7124, 18.3814, 2.2455



2.3945, 1.9138, 0.2432

Inverse Universe

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



33.6909, 35.3293, 96.3096



29.7137, 29.3471, 98.7062



22.8873, 13.7221, 92.7084



17.0210, 18.1188, 21.9855



13.4283, 12.2121, 49.6230



1.3498, 1.3434, 4.6313

Previews

White Background



This preview shows how the XYZ color 53.5905, 46.1453, 12.5610 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 53.5905, 46.1453, 12.5610 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 53.5905, 46.1453, 12.5610

Background



This preview shows how black text looks on a background with the XYZ color 53.5905, 46.1453, 12.5610.



This preview shows how white text looks on a background with the XYZ color 53.5905, 46.1453,

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

53.5905, 46.1453, 12.5610

Protanopia

42.2633, 46.4526, 14.3281

Deuteranopia

47.2539, 46.1287, 12.3744



Tritanopia

58.8282, 46.0019, 39.9611

Trichromacy



Original Color

53.5905, 46.1453, 12.5610

Protanomaly

45.7246, 45.8822, 13.6539

Deuteranomaly

49.4333, 46.1353, 12.4305

Tritanomaly

56.4579, 45.7937, 26.9825

Monochromacy



Original Color

53.5905, 46.1453, 12.5610

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

44.1984, 43.8566, 30.9466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.5905, 46.1453, 12.5610 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(251, 160, 74)` looks like.

```
.text, #text, p{  
    color:rgb(251, 160, 74)  
}
```

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(251, 160, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 160, 74) }
```

Border

The CSS property to change the border of an element to XYZ 53.5905, 46.1453, 12.5610 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(251, 160, 74) }
```


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

```
.border{ border-color:rgb(251, 160, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 160, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 160, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 160, 74);  
box-shadow:4px 4px 4px 4px rgb(251, 160,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 53.5905, 46.1453, 12.5610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 160, 74) }
```

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

```
.background{ background-color: rgb(251,  
160, 74) }
```

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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