

Converting Colors

XYZ(53.6982, 46.4668, 12.2697)

Have a look what the booklet for
XYZ(53.6982, 46.4668, 12.2697)
contains.

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Color

**XYZ(53.6982, 46.4668,
12.2697)**

Conversions

Conversions Part 1

Format	Color
Hex	FBA148
RGB	251, 161, 72
RGB Percent	98%, 63%, 28%
CMY	0.0157, 0.3686, 0.7176
CMYK	0.00, 0.36, 0.71, 0.02
HSL	30°, 96%, 63%
HSV	30°, 71%, 98%
XYZ	53.6982, 46.4668, 12.2697
YIQ	177.7640, 82.2090, -8.5990

Conversions

Conversions Part 2

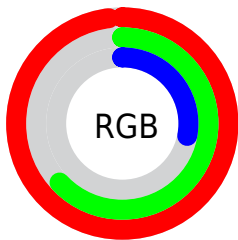
Format	Color
R_{YB}	251, 249, 72
Decimal	16490824
CIE _{Lab}	73.85, 26.07, 58.31
CIE _{LCh}	74, 63.870, 65.910
Yxy	46.4668, 0.4776, 0.4133
Android (android.graphics.Color)	4294680904 (0xFFFBA148)
YUV	177.7640, -52.1417, 64.2280
Hunter-Lab	68.1666, 21.3219, 37.0446

Details

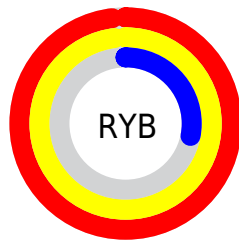
The XYZ color **53.6982, 46.4668, 12.2697** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **33.0046, 34.1817, 96.1244**, and the grayscale version is **42.4297, 44.6394, 48.6123**.

A 20% lighter version of the original color is **69.4975, 71.8524, 29.6080**, and **26.5411, 21.7906, 3.2591** is the 20% darker color. If you saturate the color by 10%, you get **50.9453, 42.0152, 8.1037**, and if you desaturate by 10%, it is **57.0098, 51.5019, 18.2705**.

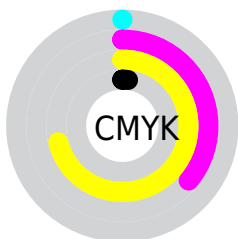
Distribution



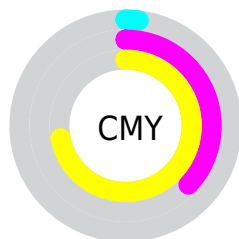
- Red (98%)
- Green (63%)
- Blue (28%)



- Red (98%)
- Yellow (98%)
- Blue (28%)



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





- Cyan (2%)
- Magenta (37%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.6982, 46.4668, 12.2697 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 53.6982, 46.4668, 12.2697 by changing the saturation by 10% instead.


 53.6982, 46.4668,
12.2697

 53.6982, 46.4668,
12.2697


391.1753,
372.6822, 217.2236

 38.5901, 32.6143,
6.8029


 94.7905, 84.9172,
30.6571

 26.6203, 21.8312,
3.2625


 121.5054,
110.2839, 44.4147


 17.4234, 13.7329,
1.2302


 152.8200,
140.2574, 61.7730

 10.6340, 7.9351,
0.0035

 189.0996,
175.2223, 83.1505

 5.8868, 4.0535,
0.0000

 230.7095,
215.5628, 108.9658

 2.8163, 1.7035,
0.0000

278.0152,

 1.0574, 0.4259,

261.6633, 139.6374

0.0000

331.3820,
313.9083, 175.5838

■ 0.0000, 0.0000,
0.0000

■ 53.6982, 46.4668,
12.2697

■ 53.6982, 46.4668,
12.2697

■ 50.9453, 42.0152,
8.1037

■ 57.0098, 51.5019,
18.2705

■ 48.6979, 38.1094,
5.5383


■ 60.9195, 57.1406,
26.2967


■ 47.0926, 35.1275,
4.2982

■ 65.4659, 63.4098,
36.5173

■ 70.6832, 70.3325,
49.0828

■ 76.6025, 77.9302,
64.1303

 83.2530, 86.2231,
81.7861

 90.6619, 95.2307,
102.1679

 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.



64.3329, 46.4668, 22.0504



53.6982, 46.4668, 12.2697



41.9533, 46.4668, 10.3852

Triad

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



53.6982, 46.4668, 12.2697



25.8007, 46.4668, 57.3158



58.2611, 46.4668, 120.0912

Complementary

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



53.6982, 46.4668, 12.2697



33.0046, 34.1817, 96.1244

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.



46.4537, 46.4668, 141.8610



53.6982, 46.4668, 12.2697



28.7259, 46.4668, 96.8905

Square

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



53.6982, 46.4668, 12.2697



27.0697, 46.4668, 29.1085



35.8332, 46.4668, 131.9262



67.2676, 46.4668, 80.6777

Rectangle

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



53.6982, 46.4668, 12.2697



35.2886, 46.4668, 12.5994



35.8332, 46.4668, 131.9262



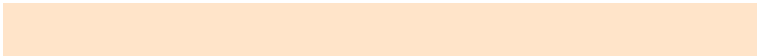
54.4181, 46.4668, 130.3408

Sweetspot

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



53.6993, 46.4692, 12.2706



79.6003, 81.0276, 66.9808



48.8456, 27.8420, 38.1513



16.6575, 16.8609, 13.3526



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.



53.6993, 46.4692, 12.2706



51.6403, 41.5584, 6.9450



74.5255, 88.1216, 19.2126



17.9576, 18.6510, 18.1159



24.8994, 18.7555, 2.3078



2.4121, 1.9490, 0.2491

Inverse Universe

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



33.0046, 34.1817, 96.1244



29.0391, 28.1337, 98.5076



22.6003, 13.3731, 92.6562



17.0042, 18.0852, 21.9799



13.2333, 11.8223, 49.5580



1.3317, 1.3070, 4.6253

Previews

White Background



This preview shows how the XYZ color 53.6982, 46.4668, 12.2697 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 53.6982, 46.4668, 12.2697 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 53.6982, 46.4668, 12.2697

Background



This preview shows how black text looks on a background with the XYZ color 53.6982, 46.4668, 12.2697.



This preview shows how white text looks on a background with the XYZ color 53.6982, 46.4668,

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

53.6982, 46.4668, 12.2697

Protanopia

42.4602, 46.5625, 13.9573

Deuteranopia

47.6963, 46.6477, 12.1203



Tritanopia

59.0791, 46.3608, 40.4851

Trichromacy



Original Color

53.6982, 46.4668, 12.2697

Protanomaly

45.9558, 46.0096, 13.2961

Deuteranomaly

49.8855, 46.6510, 12.1696

Tritanomaly

56.6237, 46.1252, 27.0378

Monochromacy



Original Color

53.6982, 46.4668, 12.2697

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

44.5896, 44.3483, 30.6360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.6982, 46.4668, 12.2697 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, 161, 72)` looks like.

```
.text, #text, p{  
    color:rgb(251, 161, 72)  
}
```

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, 161, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 161, 72) }
```

Border

The CSS property to change the border of an element to XYZ 53.6982, 46.4668, 12.2697 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, 161, 72) }
```


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

```
.border{ border-color:rgb(251, 161, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 161, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 161, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 161, 72);  
box-shadow:4px 4px 4px 4px rgb(251, 161,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 53.6982, 46.4668, 12.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 161, 72) }
```

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

```
.background{ background-color: rgb(251,  
161, 72) }
```

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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