

Converting Colors

XYZ(58.0976, 53.3876, 12.4435)

Have a look what the booklet for
XYZ(58.0976, 53.3876, 12.4435)
contains.

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Color

**XYZ(58.1438, 53.4941,
12.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	FFB242
RGB	255, 178, 66
RGB Percent	100%, 70%, 26%
CMY	0.0000, 0.3019, 0.7412
CMYK	0.00, 0.30, 0.74, 0.00
HSL	36°, 100%, 63%
HSV	36°, 74%, 100%
XYZ	58.1438, 53.4941, 12.4151
YIQ	188.2550, 81.8440, -18.5080

Conversions

Conversions Part 2

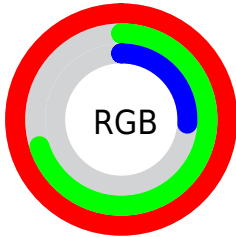
Format	Color
R _Y B	196, 255, 66
Decimal	16757314
CIE Lab	78.17, 18.56, 65.37
CIE LCh	78, 67.956, 74.149
Yxy	53.4941, 0.4687, 0.4312
Android (android.graphics.Color)	4294947394 (0xFFFFB242)
YUV	188.2550, -60.2717, 58.5354
Hunter-Lab	73.1397, 13.9076, 41.1336

Details

The XYZ color **58.1438, 53.4941, 12.4151** 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 **30.1188, 28.0220, 98.4286**, and the grayscale version is **48.2459, 50.7584, 55.2759**.

A 20% lighter version of the original color is **74.0530, 81.4617, 29.5900**, and **29.3259, 26.0047, 3.4738** is the 20% darker color. If you saturate the color by 10%, you get **55.5638, 49.2812, 8.6364**, and if you desaturate by 10%, it is **61.2176, 58.1594, 18.0111**.

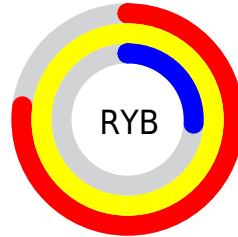
Distribution



Red (100%)

Green (70%)

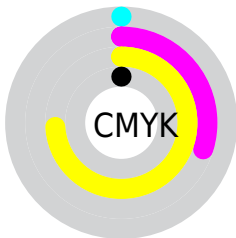
Blue (26%)



Red (77%)

Yellow (100%)

Blue (26%)

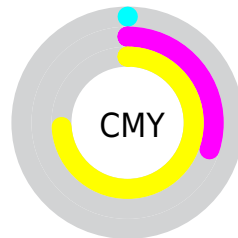


Cyan (0%)

Magenta (30%)

Yellow (74%)

Black (0%)



Cyan (0%)

Magenta (30%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.1438, 53.4941, 12.4151 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 58.1438, 53.4941, 12.4151 by changing the saturation by 10% instead.

58.1438, 53.4941,
12.4151

58.1438, 53.4941,
12.4151

407.6668,
400.1779, 218.2089

42.1680, 38.1974,
6.9011

101.2540, 95.3310,
30.9245

29.4245, 26.1359,
3.3228

129.1191,
122.6400, 44.7570

19.5481, 16.9253,
1.2617

161.6780,
154.7219, 62.1994

12.1733, 10.1813,
0.0301

199.2960,
191.9610, 83.6703

6.9349, 5.5193,
0.0000

242.3385,
234.7417, 109.5881

3.4674, 2.5551,
0.0000

291.1710,

1.4055, 0.9041,

283.4485, 140.3714

0.0000

346.1586,
338.4658, 176.4388

■ 0.2601, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.1438, 53.4941,
12.4151

■ 58.1438, 53.4941,
12.4151

■ 55.5638, 49.2812,
8.6364

■ 61.2176, 58.1594,
18.0111

■ 53.4221, 45.4865,
6.4162

■ 64.8244, 63.2914,
25.6305

■ 52.3255, 43.4313,
5.6252

■ 69.0026, 68.9130,
35.4544

■ 73.7856, 75.0425,
47.6430

■ 79.2038, 81.6969,
62.3414

■ 85.2853, 88.8923,
79.6828

■ 92.0563, 96.6438,
99.7911

■ 95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



71.4585, 53.4941, 20.7112



58.1438, 53.4941, 12.4151



44.8539, 53.4941, 12.2155

Triad

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



58.1438, 53.4941, 12.4151



29.8838, 53.4941, 78.0162



70.7876, 53.4941, 128.0653

Complementary

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



58.1438, 53.4941, 12.4151



30.1188, 28.0220, 98.4286

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.



57.3462, 53.4941, 161.8455



58.1438, 53.4941, 12.4151



34.6333, 53.4941, 125.4853

Square

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



58.1438, 53.4941, 12.4151



30.0218, 53.4941, 40.4658



44.1833, 53.4941, 160.7366



79.5809, 53.4941, 80.5940

Rectangle

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



58.1438, 53.4941, 12.4151



37.8139, 53.4941, 16.2632



44.1833, 53.4941, 160.7366



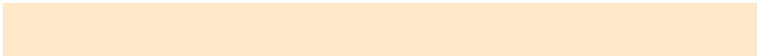
66.5699, 53.4941, 142.1629

Sweetspot

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



58.1450, 53.4968, 12.4161



80.4350, 83.1744, 65.7869



48.2799, 27.1934, 29.3920



16.8800, 17.3986, 13.1408



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.



58.1450, 53.4968, 12.4161



54.4669, 47.3775, 7.3758



72.4243, 90.3073, 18.7687



18.9044, 19.7769, 18.9653



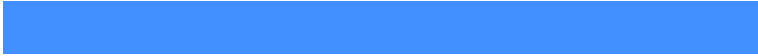
27.4918, 22.9949, 2.9895



2.7842, 2.4538, 0.3269

Inverse Universe

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



30.1188, 28.0220, 98.4286



25.3075, 21.0221, 97.3316



23.4566, 12.8996, 95.8608



17.6106, 18.5928, 22.9105



12.1496, 9.2087, 50.5717



1.2870, 1.1048, 4.9587

Previews

White Background



This preview shows how the XYZ color 58.1438, 53.4941, 12.4151 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 58.1438, 53.4941, 12.4151 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 58.1438, 53.4941, 12.4151

Background



This preview shows how black text looks on a background with the XYZ color 58.1438, 53.4941, 12.4151.



This preview shows how white text looks on a background with the XYZ color 58.1438, 53.4941,

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

58.1438, 53.4941, 12.4151

Protanopia

48.7162, 53.6247, 13.5773

Deuteranopia

54.6839, 53.5284, 12.3004



Tritanopia

63.9552, 53.3456, 50.6420

Trichromacy



Original Color

58.1438, 53.4941, 12.4151

Protanomaly

51.6905, 53.2191, 13.1782

Deuteranomaly

56.0399, 53.6117, 12.3955

Tritanomaly

60.8438, 53.0112, 31.4515

Monochromacy



Original Color

58.1438, 53.4941, 12.4151

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.3259, 50.2916, 33.4931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.1438, 53.4941, 12.4151 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, 178, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 178, 66)  
}
```

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, 178, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 178, 66) }
```

Border

The CSS property to change the border of an element to XYZ 58.1438, 53.4941, 12.4151 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, 178, 66) }
```


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

```
.border{ border-color:rgb(255, 178, 66) }
```

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

Here you see how a box with a 4 pixel rgb(255, 178, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 178, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 178, 66);  
box-shadow:4px 4px 4px 4px rgb(255, 178,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 58.1438, 53.4941, 12.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 178, 66) }
```

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

```
.background{ background-color: rgb(255,  
178, 66) }
```

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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