

Converting Colors

XYZ(53.0142, 44.5344, 12.5590)

Have a look what the booklet for
XYZ(53.0142, 44.5344, 12.5590)
contains.

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Color

**XYZ(53.1707, 44.6599,
12.6553)**

Conversions

Conversions Part 1

Format	Color
Hex	FC9B4C
RGB	252, 155, 76
RGB Percent	99%, 61%, 30%
CMY	0.0118, 0.3921, 0.7020
CMYK	0.00, 0.38, 0.70, 0.01
HSL	27°, 97%, 64%
HSV	27°, 70%, 99%
XYZ	53.1707, 44.6599, 12.6553
YIQ	174.9970, 83.1710, -4.0050

Conversions

Conversions Part 2

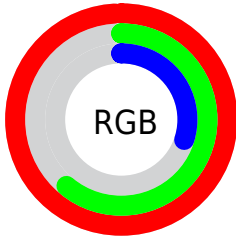
Format	Color
R _Y B	252, 219, 76
Decimal	16554828
CIE Lab	72.67, 29.80, 55.27
CIE LCh	73, 62.792, 61.670
Yxy	44.6599, 0.4812, 0.4042
Android (android.graphics.Color)	4294744908 (0xFFFC9B4C)
YUV	174.9970, -48.8055, 67.5316
Hunter-Lab	66.8281, 25.0716, 35.5518

Details

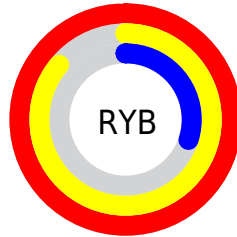
The XYZ color **53.1707, 44.6599, 12.6553** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **35.4937, 38.4498, 97.6456**, and the grayscale version is **40.9617, 43.0949, 46.9303**.

A 20% lighter version of the original color is **68.1829, 68.9117, 30.1297**, and **26.2401, 20.7095, 3.4249** is the 20% darker color. If you saturate the color by 10%, you get **50.2803, 40.0176, 8.1833**, and if you desaturate by 10%, it is **56.6719, 49.9757, 19.0233**.

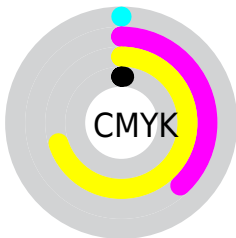
Distribution



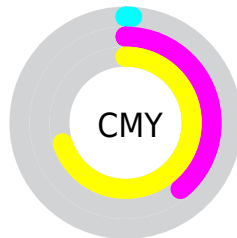
- Red (99%)
- Green (61%)
- Blue (30%)



- Red (99%)
- Yellow (86%)
- Blue (30%)



- Cyan (0%)
- Magenta (38%)
- Yellow (70%)
- Black (1%)



- Cyan (1%)
- Magenta (39%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 53.1707, 44.6599, 12.6553 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 53.1707, 44.6599, 12.6553 by changing the saturation by 10% instead.

53.1707, 44.6599,
12.6553

53.1707, 44.6599,
12.6553

389.1898,
365.3944, 219.8262

38.1671, 31.1896,
7.0637

94.0196, 82.2098,
31.3652

26.2902, 20.7433,
3.4229

120.5955,
107.0583, 45.3205

17.1747, 12.9365,
1.3144

151.7596,
136.4682, 62.9008

10.4552, 7.3848,
0.0736

187.8772,
170.8241, 84.5247

5.7664, 3.7039,
0.0000

229.3137,
210.5102, 110.6106

2.7428, 1.5094,
0.0000

276.4344,

1.0193, 0.2953,

255.9110, 141.5772

0.0000

329.6046,
307.4110, 177.8429

■ 0.0000, 0.0000,
0.0000

■ 53.1707, 44.6599,
12.6553

■ 53.1707, 44.6599,
12.6553

■ 50.2803, 40.0176,
8.1833

■ 56.6719, 49.9757,
19.0233

■ 47.9460, 36.0068,
5.3771

■ 60.8252, 55.9894,
27.4762

■ 46.0904, 32.5834,
3.8715

■ 65.6710, 62.7322,
38.1825

■ 46.0634, 32.5328,
3.8517

■ 71.2453, 70.2309,
51.2925

■ 77.5811, 78.5109,
66.9435

84.7093, 87.5959,
85.2623

92.6589, 97.5088,
106.3671

93.9546, 99.4353,
108.8487

Harmonies

Analogous

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



62.8603, 44.6599, 23.4646



53.1707, 44.6599, 12.6553



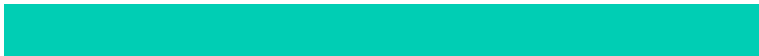
41.8412, 44.6599, 9.9584

Triad

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



53.1707, 44.6599, 12.6553



24.7813, 44.6599, 50.3940



54.4072, 44.6599, 119.5277

Complementary

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



53.1707, 44.6599, 12.6553



35.4937, 38.4498, 97.6456

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.



43.0605, 44.6599, 136.4760



53.1707, 44.6599, 12.6553



27.0153, 44.6599, 87.3575

Square

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



53.1707, 44.6599, 12.6553



26.5667, 44.6599, 25.3746



33.2733, 44.6599, 122.7360



63.6557, 44.6599, 82.9643

Rectangle

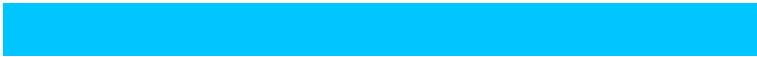
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.1707, 44.6599, 12.6553



35.1815, 44.6599, 11.4935



33.2733, 44.6599, 122.7360



50.6516, 44.6599, 128.2712

Sweetspot

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



53.1717, 44.6622, 12.6561



78.8931, 79.6132, 66.7451



50.5394, 28.9886, 43.8680



16.4899, 16.5257, 13.2967



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.



53.1717, 44.6622, 12.6561



50.5759, 39.2970, 6.9990



72.6877, 83.6941, 19.1614



17.8862, 18.5082, 18.0921



24.1374, 17.2315, 2.0538



2.3397, 1.8042, 0.2249

Inverse Universe

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



35.4937, 38.4498, 97.6456



31.3281, 32.4306, 99.2163



24.0193, 15.5009, 93.8208



17.0761, 18.2290, 22.0038



14.1024, 13.5603, 49.8477



1.4120, 1.4676, 4.6520

Previews

White Background



This preview shows how the XYZ color 53.1707, 44.6599, 12.6553 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 53.1707, 44.6599, 12.6553 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 53.1707, 44.6599, 12.6553

Background



This preview shows how black text looks on a background with the XYZ color 53.1707, 44.6599, 12.6553.



This preview shows how white text looks on a background with the XYZ color 53.1707, 44.6599,

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

53.1707, 44.6599, 12.6553

Protanopia

40.9701, 44.8705, 14.6851

Deuteranopia

45.6686, 44.7469, 12.3609



Tritanopia

57.8453, 44.5961, 37.9069

Trichromacy



Original Color

53.1707, 44.6599, 12.6553

Protanomaly

44.7361, 44.2341, 13.7696

Deuteranomaly

48.2620, 44.7149, 12.3905

Tritanomaly

55.6757, 44.4420, 26.0658

Monochromacy



Original Color

53.1707, 44.6599, 12.6553

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

43.2914, 42.5659, 30.3604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.1707, 44.6599, 12.6553 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(252, 155, 76)` looks like.

```
.text, #text, p{  
    color:rgb(252, 155, 76)  
}
```

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(252, 155, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 155, 76) }
```

Border

The CSS property to change the border of an element to XYZ 53.1707, 44.6599, 12.6553 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(252, 155, 76) }
```


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

```
.border{ border-color:rgb(252, 155, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 155, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 155, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 155, 76);  
box-shadow:4px 4px 4px 4px rgb(252, 155,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 53.1707, 44.6599, 12.6553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 155, 76) }
```

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

```
.background{ background-color: rgb(252,  
155, 76) }
```

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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