

Converting Colors

XYZ(53.8644, 44.5912, 12.0501)

Have a look what the booklet for
XYZ(53.8644, 44.5912, 12.0501)
contains.

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Color

**XYZ(53.8338, 44.5235,
12.0599)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF9949 |
| RGB | 255, 153, 73 |
| RGB Percent | 100%, 60%, 29% |
| CMY | 0.0000, 0.4000, 0.7137 |
| CMYK | 0.00, 0.40, 0.71, 0.00 |
| HSL | 26°, 100%, 64% |
| HSV | 26°, 71%, 100% |
| XYZ | 53.8338, 44.5235, 12.0599 |
| YIQ | 174.3780, 86.4720, -3.2560 |

Conversions

Conversions Part 2

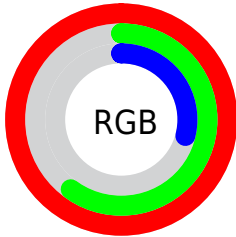
| Format | Color |
|-------------------------------------|---|
| RYB | 255, 216, 73 |
| Decimal | 16750921 |
| CIELab | 72.58, 31.89, 56.67 |
| CIELCh | 73, 65.028, 60.630 |
| Yxy | 44.5235, 0.4875, 0.4032 |
| Android (android.graphics.Color) | 4294941001 (0xFFFF9949) |
| YUV | 174.3780, -49.9794, 70.7055 |
| Hunter-Lab | 66.7259, 27.2416, 35.9922 |

Details

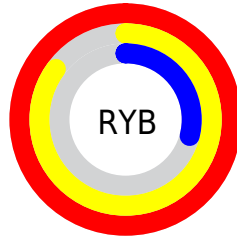
The XYZ color **53.8338, 44.5235, 12.0599** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **36.1266, 39.2942, 100.2875**, and the grayscale version is **40.6459, 42.7627, 46.5686**.

A 20% lighter version of the original color is **67.4975, 67.8524, 28.9414**, and **26.7635, 20.6918, 3.1994** is the 20% darker color. If you saturate the color by 10%, you get **50.9547, 39.8526, 7.7495**, and if you desaturate by 10%, it is **57.3414, 49.8979, 18.2891**.

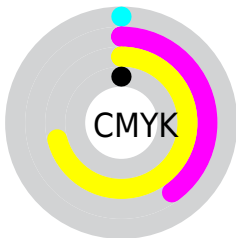
Distribution



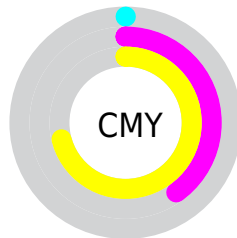
- Red (100%)
- Green (60%)
- Blue (29%)



- Red (100%)
- Yellow (85%)
- Blue (29%)



- Cyan (0%)
- Magenta (40%)
- Yellow (71%)
- Black (0%)





- Cyan (0%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.8338, 44.5235, 12.0599 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 53.8338, 44.5235, 12.0599 by changing the saturation by 10% instead.


 53.8338, 44.5235,
12.0599


 53.8338, 44.5235,
12.0599


391.6846,
364.8403, 215.7934

 38.6989, 31.0823,
6.6614


 94.9885, 82.0049,
30.2702

 26.7053, 20.6615,
3.1761


 121.7391,
106.8139, 43.9191


 17.4874, 12.8768,
1.1852


 153.0922,
136.1809, 61.1552

 10.6801, 7.3438,
0.0000

 189.4133,
170.4903, 82.3972

 5.9178, 3.6780,
0.0000

 231.0678,
210.1266, 108.0634

 2.8354, 1.4951,
0.0000

278.4209,

 1.0673, 0.2853,

255.4741, 138.5725

0.0000

331.8381,
306.9172, 174.3430

■ 0.0000, 0.0000,
0.0000

■ 53.8338, 44.5235,
12.0599

■ 53.8338, 44.5235,
12.0599

■ 50.9547, 39.8526,
7.7495

■ 57.3414, 49.8979,
18.2891

■ 48.6458, 35.8403,
5.1132

■ 61.5216, 56.0025,
26.6366

■ 47.0445, 32.8695,
3.8649

■ 66.4172, 62.8708,
37.2792

■ 72.0660, 70.5315,
50.3742

■ 78.5029, 79.0117,
66.0650

85.7605, 88.3371,
84.4837

93.8692, 98.5319,
105.7533

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



63.7845, 44.5235, 23.2770



53.8338, 44.5235, 12.0599



42.0809, 44.5235, 9.1788

Triad

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



53.8338, 44.5235, 12.0599



24.1698, 44.5235, 49.1627



54.3188, 44.5235, 123.6736

Complementary

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



53.8338, 44.5235, 12.0599



36.1266, 39.2942, 100.2875

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.



42.5565, 44.5235, 140.5095



53.8338, 44.5235, 12.0599



26.3057, 44.5235, 87.3698

Square

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



53.8338, 44.5235, 12.0599



26.1329, 44.5235, 24.0078



32.5745, 44.5235, 124.9494



64.0976, 44.5235, 85.6347

Rectangle

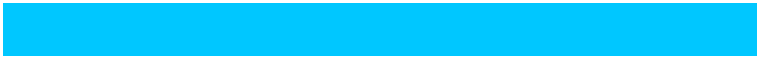
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.8338, 44.5235, 12.0599



35.1478, 44.5235, 10.5501



32.5745, 44.5235, 124.9494



50.4031, 44.5235, 132.5978

Sweetspot

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



53.8348, 44.5258, 12.0607



78.7583, 79.3435, 66.7001



51.4721, 29.1652, 44.0604



16.4580, 16.4619, 13.2861



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.



53.8348, 44.5258, 12.0607



49.8192, 37.9161, 6.3379



74.4529, 85.7619, 18.9334



18.6664, 19.3010, 18.8860



24.7248, 17.4607, 2.0671



2.5140, 1.9133, 0.2368

Inverse Universe

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



36.1266, 39.2942, 100.2875



31.0960, 32.2475, 99.1932



24.0569, 15.1549, 96.2643



17.8475, 19.0666, 22.9895



14.7077, 14.3250, 51.4244



1.5409, 1.6125, 5.0433

Previews

White Background



This preview shows how the XYZ color 53.8338, 44.5235, 12.0599 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 53.8338, 44.5235, 12.0599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

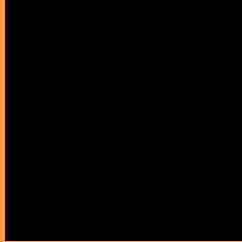
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 53.8338, 44.5235, 12.0599

Background



This preview shows how black text looks on a background with the XYZ color 53.8338, 44.5235, 12.0599.



This preview shows how white text looks on a background with the XYZ color 53.8338, 44.5235,

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

53.8338, 44.5235, 12.0599

Protanopia

40.8940, 44.8400, 14.2842

Deuteranopia

45.5423, 44.6964, 11.6958



Tritanopia

57.6745, 44.5277, 37.0074

Trichromacy



Original Color

53.8338, 44.5235, 12.0599

Protanomaly

44.9633, 44.3596, 13.4002

Deuteranomaly

48.3126, 44.4855, 11.8346

Tritanomaly

55.7533, 44.2613, 25.3434

Monochromacy



Original Color

53.8338, 44.5235, 12.0599

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.7802, 41.7751, 29.4756

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.8338, 44.5235, 12.0599 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, 153, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 73)  
}
```

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, 153, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 73) }
```

Border

The CSS property to change the border of an element to XYZ 53.8338, 44.5235, 12.0599 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, 153, 73) }
```


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

```
.border{ border-color:rgb(255, 153, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 53.8338, 44.5235, 12.0599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 73) }
```

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

```
.background{ background-color: rgb(255,  
153, 73) }
```

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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