

Converting Colors

XYZ(44.9002, 33.5153, 12.2504)

Have a look what the booklet for
XYZ(44.9002, 33.5153, 12.2504)
contains.

XYZ(44.9199, 33.4912, 12.2805)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(44.9199, 33.4912,
12.2805)**

Conversions

Conversions Part 1

Format	Color
Hex	F17B53
RGB	241, 123, 83
RGB Percent	95%, 48%, 33%
CMY	0.0549, 0.5176, 0.6745
CMYK	0.00, 0.49, 0.66, 0.05
HSL	15°, 85%, 64%
HSV	15°, 66%, 95%
XYZ	44.9199, 33.4912, 12.2805
YIQ	153.7220, 83.1680, 12.5760

Conversions

Conversions Part 2

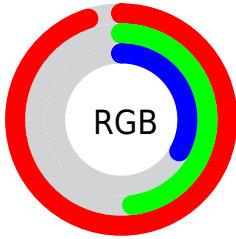
Format	Color
R _Y B	241, 137, 83
Decimal	15825747
CIE Lab	64.56, 42.24, 42.26
CIE LCh	65, 59.750, 45.014
Yxy	33.4912, 0.4953, 0.3693
Android (android.graphics.Color)	4294015827 (0xFFFF17B53)
YUV	153.7220, -34.8659, 76.5428
Hunter-Lab	57.8716, 37.2764, 27.9286

Details

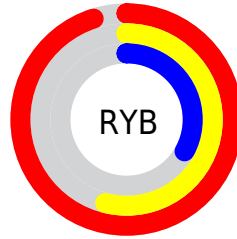
The XYZ color **44.9199, 33.4912, 12.2805** is a light color, and the websafe version is hex **CC6633**. The color can be described as light muted orange. A complement of this color would be **40.3295, 49.9600, 90.7362**, and the grayscale version is **30.7167, 32.3163, 35.1925**.

A 20% lighter version of the original color is **61.2652, 54.4255, 29.8304**, and **21.1621, 14.2176, 3.2980** is the 20% darker color. If you saturate the color by 10%, you get **42.1148, 29.1206, 7.5254**, and if you desaturate by 10%, it is **48.4602, 38.8156, 18.8759**.

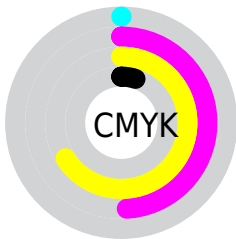
Distribution



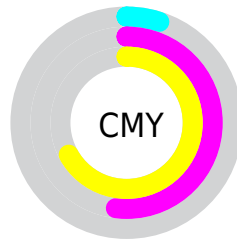
- Red (95%)
- Green (48%)
- Blue (33%)



- Red (95%)
- Yellow (54%)
- Blue (33%)



- Cyan (0%)
- Magenta (49%)
- Yellow (66%)
- Black (5%)



- Cyan (5%)
- Magenta (52%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9199, 33.4912, 12.2805 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 44.9199, 33.4912, 12.2805 by changing the saturation by 10% instead.

44.9199, 33.4912,
12.2805

44.9199, 33.4912,
12.2805

357.2382,
317.8573, 217.2969

31.5953, 22.5030,
6.8102

81.8380, 65.1417,
30.6770

21.2067, 14.2270,
3.2670

106.1623, 86.5727,
44.4402

13.3885, 8.2787,
1.2325

134.8838,
112.2535, 61.8047

7.7754, 4.2738,
0.0055

168.3680,
142.5684, 83.1892

4.0022, 1.8279,
0.0000

206.9802,
177.9019, 109.0121

1.7034, 0.5045,
0.0000

251.0857,

0.4584, 0.0000,

218.6382, 139.6920

0.0000

301.0499,
265.1619, 175.6474

■ 0.0000, 0.0000,
0.0000

■ 44.9199, 33.4912,
12.2805

■ 44.9199, 33.4912,
12.2805

■ 42.1148, 29.1206,
7.5254

■ 48.4602, 38.8156,
18.8759

■ 39.9850, 25.6392,
4.4161

■ 52.7844, 45.1421,
27.4755

■ 38.4631, 22.9822,
2.7164


■ 57.9394, 52.5218,
38.2271


■ 37.9454, 22.0406,
2.2543

■ 63.9674, 61.0010,
51.2637

■ 70.9079, 70.6228,
66.7077

 78.7977, 81.4281,
84.6728

 87.6716, 93.4559,
105.2651

 90.0854, 97.4407,
108.6677

Harmonies

Analogous

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



50.4885, 33.4912, 25.5826



44.9199, 33.4912, 12.2805



36.2736, 33.4912, 7.2795

Triad

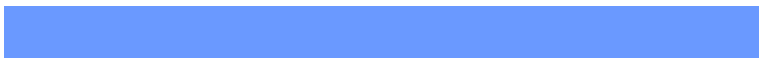
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



44.9199, 33.4912, 12.2805



18.4508, 33.4912, 25.6001



36.2820, 33.4912, 103.4259

Complementary

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



44.9199, 33.4912, 12.2805



40.3295, 49.9600, 90.7362

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.



27.7694, 33.4912, 103.4378



44.9199, 33.4912, 12.2805



18.4522, 33.4912, 50.0673

Square

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



44.9199, 33.4912, 12.2805



21.5669, 33.4912, 12.2884



21.5712, 33.4912, 80.9080



44.9270, 33.4912, 80.8804

Rectangle

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



44.9199, 33.4912, 12.2805



30.4176, 33.4912, 6.8050



21.5712, 33.4912, 80.9080



33.2903, 33.4912, 106.3106

Sweetspot

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



44.9207, 33.4930, 12.2811



76.9297, 75.2008, 67.5873



49.9703, 29.1280, 58.5557



15.9959, 15.4433, 13.4226



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.



44.9207, 33.4930, 12.2811



46.9021, 31.5356, 7.0498



58.8401, 61.3319, 16.9209



16.0980, 16.4092, 16.4685



20.6677, 12.1334, 1.2527



1.7963, 1.1633, 0.1299

Inverse Universe

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



40.3295, 49.9600, 90.7362



41.1381, 51.1735, 102.3170



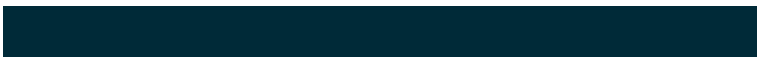
26.4657, 22.2323, 86.1149



15.8888, 17.2117, 20.2064



17.5713, 21.3669, 48.3260



1.5405, 1.9350, 4.0465

Previews

White Background



This preview shows how the XYZ color 44.9199, 33.4912, 12.2805 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 44.9199, 33.4912, 12.2805 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 44.9199, 33.4912, 12.2805

Background



This preview shows how black text looks on a background with the XYZ color 44.9199, 33.4912, 12.2805.



This preview shows how white text looks on a background with the XYZ color 44.9199, 33.4912,

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

44.9199, 33.4912, 12.2805

Protanopia

31.1358, 33.7108, 15.6923

Deuteranopia

34.2382, 33.6860, 11.7187



Tritanopia

47.2065, 33.5179, 23.7202

Trichromacy



Original Color

44.9199, 33.4912, 12.2805

Protanomaly

35.0397, 32.8764, 14.3965

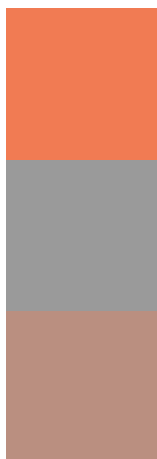
Deuteranomaly

37.3677, 33.0223, 11.8016

Tritanomaly

46.1489, 33.4360, 18.7733

Monochromacy



Original Color

44.9199, 33.4912, 12.2805

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

33.9684, 31.6425, 24.7394

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9199, 33.4912, 12.2805 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(241, 123, 83)` looks like.

```
.text, #text, p{  
    color:rgb(241, 123, 83)  
}
```

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(241, 123, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 123, 83) }
```

Border

The CSS property to change the border of an element to XYZ 44.9199, 33.4912, 12.2805 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(241, 123, 83) }
```


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

```
.border{ border-color:rgb(241, 123, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 123, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 123, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 123, 83);  
box-shadow:4px 4px 4px 4px rgb(241, 123,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9199, 33.4912, 12.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 123, 83) }
```

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

```
.background{ background-color: rgb(241,  
123, 83) }
```

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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