

Converting Colors

XYZ(45.8520, 35.1542, 11.1536)

Have a look what the booklet for
XYZ(45.8520, 35.1542, 11.1536)
contains.

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Color

**XYZ(45.7727, 35.0996,
11.1999)**

Conversions

Conversions Part 1

Format	Color
Hex	F2814C
RGB	242, 129, 76
RGB Percent	95%, 51%, 30%
CMY	0.0510, 0.4941, 0.7020
CMYK	0.00, 0.47, 0.69, 0.05
HSL	19°, 86%, 62%
HSV	19°, 69%, 95%
XYZ	45.7727, 35.0996, 11.1999
YIQ	156.7450, 84.3610, 7.4730

Conversions

Conversions Part 2

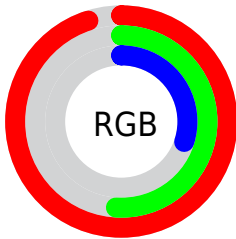
Format	Color
RYB	242, 154, 76
Decimal	15892812
CIELab	65.83, 39.22, 47.37
CIElCh	66, 61.497, 50.379
Yxy	35.0996, 0.4971, 0.3812
Android (android.graphics.Color)	4294082892 (0xFFFF2814C)
YUV	156.7450, -39.8073, 74.7686
Hunter-Lab	59.2449, 34.2307, 30.2630

Details

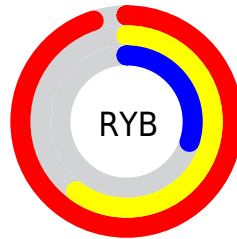
The XYZ color **45.7727, 35.0996, 11.1999** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **37.2037, 44.3396, 90.6013**, and the grayscale version is **32.0809, 33.7516, 36.7555**.

A 20% lighter version of the original color is **62.0043, 56.6593, 27.7470**, and **21.6741, 15.0902, 2.8073** is the 20% darker color. If you saturate the color by 10%, you get **43.0865, 30.8301, 6.9053**, and if you desaturate by 10%, it is **49.1266, 40.1990, 17.2777**.

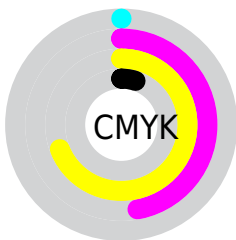
Distribution



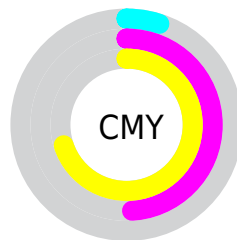
- Red (95%)
- Green (51%)
- Blue (30%)



- Red (95%)
- Yellow (60%)
- Blue (30%)



- Cyan (0%)
- Magenta (47%)
- Yellow (69%)
- Black (5%)



- Cyan (5%)
- Magenta (49%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.7727, 35.0996, 11.1999 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 45.7727, 35.0996, 11.1999 by changing the saturation by 10% instead.


 45.7727, 35.0996,
11.1999


 45.7727, 35.0996,
11.1999

360.6253,
325.0077, 209.8203


 32.2704, 23.7396,
6.0856


 83.1087, 67.6400,
28.6715


 21.7246, 15.1406,
2.8276


 107.6730, 89.5893,
41.8659


 13.7702, 8.9181,
1.0073


 136.6554,
115.8370, 58.5907

 8.0416, 4.6878,
0.0000

 170.4212,
146.7677, 79.2645

 4.1736, 2.0653,
0.0000

 209.3357,
182.7658, 104.3058

 1.8008, 0.6450,
0.0000

253.7643,

 0.5182, 0.0000,

224.2155, 134.1332

0.0000

304.0724,
271.5014, 169.1652

■ 0.0000, 0.0000,
0.0000

■ 45.7727, 35.0996,
11.1999

■ 45.7727, 35.0996,
11.1999

■ 43.0865, 30.8301,
6.9053

■ 49.1266, 40.1990,
17.2777

■ 41.0111, 27.3363,
4.1887

■ 53.1932, 46.1665,
25.3096


■ 39.4751, 24.5621,
2.7581


■ 58.0158, 53.0445,
35.4481

■ 39.2908, 24.2234,
2.6047

■ 63.6334, 60.8708,
47.8299

■ 70.0821, 69.6809,
62.5801

 77.3957, 79.5084,
79.8147

 85.6059, 90.3852,
99.6418

 90.4277, 97.6171,
108.6837

Harmonies

Analogous

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



52.5390, 35.0996, 23.3217



45.7727, 35.0996, 11.1999



36.3633, 35.0996, 7.0860

Triad

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



45.7727, 35.0996, 11.1999



18.9441, 35.0996, 30.4588



39.8146, 35.0996, 106.8181

Complementary

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



45.7727, 35.0996, 11.1999



37.2037, 44.3396, 90.6013

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.



30.5289, 35.0996, 111.7032



45.7727, 35.0996, 11.1999



19.5307, 35.0996, 58.3971

Square

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



45.7727, 35.0996, 11.1999



21.6436, 35.0996, 14.3852



23.4243, 35.0996, 91.0876



48.6894, 35.0996, 79.7685

Rectangle

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



45.7727, 35.0996, 11.1999



30.3148, 35.0996, 7.1234



23.4243, 35.0996, 91.0876



36.6050, 35.0996, 111.4684

Sweetspot

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



45.7735, 35.1015, 11.2005



77.0498, 75.9265, 66.1306



48.4347, 27.7392, 51.1925



16.0549, 15.6557, 13.1517



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.



45.7735, 35.1015, 11.2005



47.5995, 33.1931, 6.4726



61.3574, 66.2694, 16.3952



16.1848, 16.5827, 16.4975



21.2163, 13.2307, 1.4356



1.8514, 1.2735, 0.1482

Inverse Universe

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



37.2037, 44.3396, 90.6013



37.2047, 43.8636, 101.1134



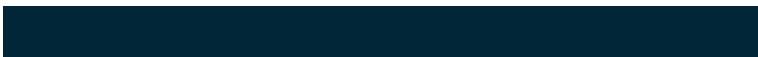
24.2065, 18.3452, 86.2689



15.7970, 17.0282, 20.1758



15.9401, 18.1044, 47.7822



1.4153, 1.6847, 4.0048

Previews

White Background



This preview shows how the XYZ color 45.7727, 35.0996, 11.1999 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 45.7727, 35.0996, 11.1999 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 45.7727, 35.0996, 11.1999

Background



This preview shows how black text looks on a background with the XYZ color 45.7727, 35.0996, 11.1999.



This preview shows how white text looks on a background with the XYZ color 45.7727, 35.0996,

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

45.7727, 35.0996, 11.1999

Protanopia

32.3820, 35.1606, 13.8841

Deuteranopia

36.0818, 35.3795, 10.8885



Tritanopia

48.7125, 34.9702, 25.6552

Trichromacy



Original Color

45.7727, 35.0996, 11.1999

Protanomaly

36.3578, 34.5216, 12.7297

Deuteranomaly

39.2002, 34.8746, 10.9687

Tritanomaly

47.5111, 35.0480, 19.2998

Monochromacy



Original Color

45.7727, 35.0996, 11.1999

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

35.0690, 33.1173, 24.9660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.7727, 35.0996, 11.1999 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(242, 129, 76)` looks like.

```
.text, #text, p{  
    color:rgb(242, 129, 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(242, 129, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 129, 76) }
```

Border

The CSS property to change the border of an element to XYZ 45.7727, 35.0996, 11.1999 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(242, 129, 76) }
```


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

```
.border{ border-color:rgb(242, 129, 76) }
```

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

Here you see how a box with a 4 pixel rgb(242, 129, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 129, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 129, 76);  
box-shadow:4px 4px 4px 4px rgb(242, 129,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 45.7727, 35.0996, 11.1999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 129, 76) }
```

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

```
.background{ background-color: rgb(242,  
129, 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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