

Converting Colors

XYZ(46.9797, 36.4664, 11.2655)

Have a look what the booklet for
XYZ(46.9797, 36.4664, 11.2655)
contains.

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Color

**XYZ(46.9658, 36.5162,
11.2296)**

Conversions

Conversions Part 1

Format	Color
Hex	F4854B
RGB	244, 133, 75
RGB Percent	96%, 52%, 29%
CMY	0.0431, 0.4784, 0.7059
CMYK	0.00, 0.45, 0.69, 0.04
HSL	21°, 88%, 63%
HSV	21°, 69%, 96%
XYZ	46.9658, 36.5162, 11.2296
YIQ	159.5770, 84.7740, 5.4940

Conversions

Conversions Part 2

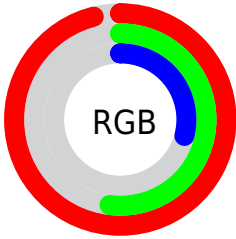
Format	Color
R _Y B	244, 163, 75
Decimal	16024907
CIE Lab	66.91, 37.91, 49.16
CIE LCh	67, 62.080, 52.362
Yxy	36.5162, 0.4959, 0.3856
Android (android.graphics.Color)	4294214987 (0xFFFF4854B)
YUV	159.5770, -41.6965, 74.0390
Hunter-Lab	60.4286, 32.9821, 31.2820

Details

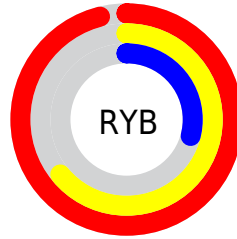
The XYZ color **46.9658, 36.5162, 11.2296** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **36.7884, 43.1427, 91.9759**, and the grayscale version is **33.3784, 35.1167, 38.2420**.

A 20% lighter version of the original color is **62.7762, 58.3070, 27.6844**, and **22.4093, 15.9001, 2.8076** is the 20% darker color. If you saturate the color by 10%, you get **44.2561, 32.1870, 6.9663**, and if you desaturate by 10%, it is **50.3320, 41.6468, 17.2912**.

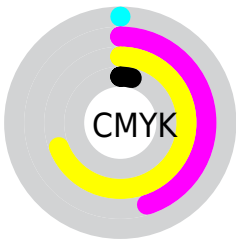
Distribution



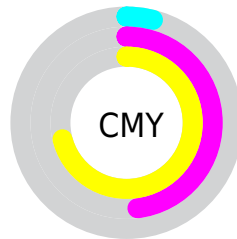
- Red (96%)
- Green (52%)
- Blue (29%)



- Red (96%)
- Yellow (64%)
- Blue (29%)



- Cyan (0%)
- Magenta (45%)
- Yellow (69%)
- Black (4%)




- Cyan (4%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9658, 36.5162, 11.2296 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 46.9658, 36.5162, 11.2296 by changing the saturation by 10% instead.


 46.9658, 36.5162,
11.2296

 46.9658, 36.5162,
11.2296


365.3292,
331.2112, 210.0297


 33.2165, 24.8331,
6.1054


 84.8816, 69.8281,
28.7271


 22.4523, 15.9528,
2.8394


 109.7788, 92.2257,
41.9374


 14.3081, 9.4907,
1.0132


 139.1227,
118.9635, 58.6802

 8.4184, 5.0626,
0.0000

 173.2785,
150.4261, 79.3739

 4.4179, 2.2841,
0.0000

 212.6117,
186.9978, 104.4372

 1.9411, 0.7653,
0.0000

257.4877,

 0.6006, 0.0000,

229.0629, 134.2886

0.0000

308.2717,
277.0059, 169.3466

■ 0.0000, 0.0000,
0.0000

■ 46.9658, 36.5162,
11.2296

■ 46.9658, 36.5162,
11.2296

■ 44.2561, 32.1870,
6.9663

■ 50.3320, 41.6468,
17.2912

■ 42.1463, 28.6076,
4.2896

■ 54.3991, 47.6143,
25.3265


■ 40.5611, 25.7233,
2.8790


■ 59.2100, 54.4589,
35.4917


■ 40.4589, 25.5347,
2.7963

■ 64.8031, 62.2162,
47.9268

■ 71.2139, 70.9196,
62.7598

 78.4758, 80.6009,
80.1089

 86.6199, 91.2902,
100.0845

 91.1180, 97.9730,
108.7160

Harmonies

Analogous

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



54.2654, 36.5162, 23.1289



46.9658, 36.5162, 11.2296



37.1674, 36.5162, 7.3470

Triad

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



46.9658, 36.5162, 11.2296



19.6902, 36.5162, 33.2650



42.0538, 36.5162, 109.4791

Complementary

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



46.9658, 36.5162, 11.2296



36.7884, 43.1427, 91.9759

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.



32.3587, 36.5162, 116.3689



46.9658, 36.5162, 11.2296



20.5239, 36.5162, 62.9034

Square

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



46.9658, 36.5162, 11.2296



22.2645, 36.5162, 15.7747



24.7926, 36.5162, 96.5033



51.0911, 36.5162, 80.5228

Rectangle

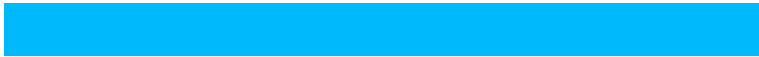
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



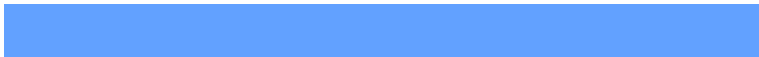
46.9658, 36.5162, 11.2296



30.9775, 36.5162, 7.5902



24.7926, 36.5162, 96.5033



38.7257, 36.5162, 114.8582

Sweetspot

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



46.9666, 36.5181, 11.2303



77.3843, 76.5956, 66.2421



48.8654, 27.8819, 50.1951



16.1337, 15.8132, 13.1779



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.



46.9666, 36.5181, 11.2303



47.9274, 33.9267, 6.3418



63.0912, 68.7673, 16.6051



16.9641, 17.4124, 17.2644



22.1135, 14.1126, 1.5585



2.0354, 1.4241, 0.1676

Inverse Universe

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



36.7884, 43.1427, 91.9759



35.8617, 41.3425, 100.6975



24.0978, 17.7615, 87.7457



16.4899, 17.7441, 21.0984



15.8700, 17.5338, 49.0860



1.4902, 1.7318, 4.3460

Previews

White Background



This preview shows how the XYZ color 46.9658, 36.5162, 11.2296 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 46.9658, 36.5162, 11.2296 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 46.9658, 36.5162, 11.2296

Background



This preview shows how black text looks on a background with the XYZ color 46.9658, 36.5162, 11.2296.



This preview shows how white text looks on a background with the XYZ color 46.9658, 36.5162,

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

46.9658, 36.5162, 11.2296

Protanopia

33.5593, 36.5536, 13.8811

Deuteranopia

37.4554, 36.5814, 10.8812



Tritanopia

50.1918, 36.4451, 27.3109

Trichromacy



Original Color

46.9658, 36.5162, 11.2296

Protanomaly

37.3420, 35.7471, 12.7163

Deuteranomaly

40.5169, 36.2407, 10.9906

Tritanomaly

48.8369, 36.4856, 20.0912

Monochromacy



Original Color

46.9658, 36.5162, 11.2296

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

36.3547, 34.4740, 25.5069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9658, 36.5162, 11.2296 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(244, 133, 75)` looks like.

```
.text, #text, p{  
    color:rgb(244, 133, 75)  
}
```

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(244, 133, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 133, 75) }
```

Border

The CSS property to change the border of an element to XYZ 46.9658, 36.5162, 11.2296 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(244, 133, 75) }
```


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

```
.border{ border-color:rgb(244, 133, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 133, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 133, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 133, 75);  
box-shadow:4px 4px 4px 4px rgb(244, 133,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9658, 36.5162, 11.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 133, 75) }
```

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

```
.background{ background-color: rgb(244,  
133, 75) }
```

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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