

Converting Colors

XYZ(46.1867, 33.7378, 9.6271)

Have a look what the booklet for
XYZ(46.1867, 33.7378, 9.6271)
contains.

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Color

**XYZ(46.1484, 33.6368,
9.6905)**

Conversions

Conversions Part 1

Format	Color
Hex	F77845
RGB	247, 120, 69
RGB Percent	97%, 47%, 27%
CMY	0.0314, 0.5294, 0.7294
CMYK	0.00, 0.51, 0.72, 0.03
HSL	17°, 92%, 62%
HSV	17°, 72%, 97%
XYZ	46.1484, 33.6368, 9.6905
YIQ	152.1590, 92.0630, 11.0630

Conversions

Conversions Part 2

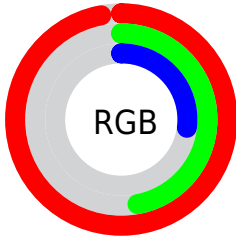
Format	Color
R_{YB}	247, 140, 69
Decimal	16218181
CIE _{Lab}	64.67, 45.26, 49.80
CIE _{LCh}	65, 67.289, 47.735
Yxy	33.6368, 0.5158, 0.3759
Android (android.graphics.Color)	4294408261 (0xFFFF77845)
YUV	152.1590, -40.9974, 83.1756
Hunter-Lab	57.9972, 40.5373, 30.6916

Details

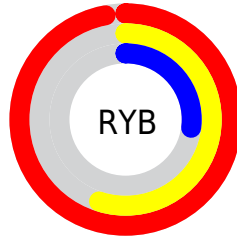
The XYZ color **46.1484, 33.6368, 9.6905** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **38.9810, 47.4571, 95.1006**, and the grayscale version is **30.0586, 31.6239, 34.4385**.

A 20% lighter version of the original color is **59.8997, 53.2519, 24.5743**, and **21.8919, 14.2517, 2.2131** is the 20% darker color. If you saturate the color by 10%, you get **43.6072, 29.5370, 5.8156**, and if you desaturate by 10%, it is **49.4000, 38.6478, 15.3757**.

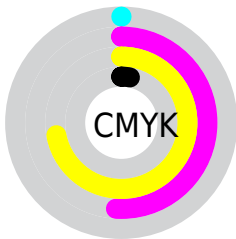
Distribution



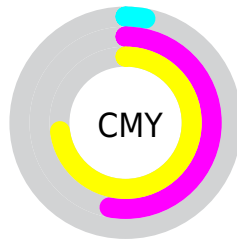
- Red (97%)
- Green (47%)
- Blue (27%)



- Red (97%)
- Yellow (55%)
- Blue (27%)



- Cyan (0%)
- Magenta (51%)
- Yellow (72%)
- Black (3%)





- Cyan (3%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1484, 33.6368, 9.6905 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 46.1484, 33.6368, 9.6905 by changing the saturation by 10% instead.


 46.1484, 33.6368,
9.6905


 46.1484, 33.6368,
9.6905


362.1109,
318.5095, 198.8525


 32.5681, 22.6147,
5.0913


 83.6676, 65.3685,
25.8104


 21.9534, 14.3093,
2.2413


 108.3371, 86.8468,
38.1681

 13.9391, 8.3361,
0.6980


 137.4337,
112.5794, 53.9492

 8.1597, 4.3107,
0.0000

 171.3228,
142.9506, 73.5720

 4.2500, 1.8489,
0.0000

 210.3697,
178.3449, 97.4553

 1.8445, 0.5174,
0.0000

254.9398,

 0.5443, 0.0000,

219.1465, 126.0174

0.0000

305.3984,
265.7399, 159.6770

■ 0.0000, 0.0000,
0.0000

■ 46.1484, 33.6368,
9.6905

■ 46.1484, 33.6368,
9.6905

■ 43.6072, 29.5370,
5.8156

■ 49.4000, 38.6478,
15.3757

■ 41.7102, 26.2831,
3.5182


■ 53.4148, 44.6183,
23.0618


■ 40.5967, 24.2525,
2.5415


■ 58.2425, 51.5992,
32.9168

■ 63.9279, 59.6360,
45.0904

■ 70.5122, 68.7714,
59.7187

 78.0338, 79.0457,
76.9274

 86.5286, 90.4969,
96.8336

 92.1675, 98.5140,
108.7651

Harmonies

Analogous

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



53.1071, 33.6368, 22.7017



46.1484, 33.6368, 9.6905



36.0777, 33.6368, 5.3686

Triad

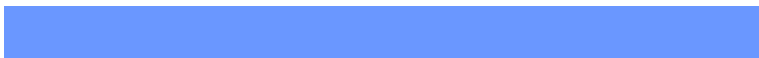
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.1484, 33.6368, 9.6905



17.0477, 33.6368, 26.4540



37.9644, 33.6368, 114.1646

Complementary

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



46.1484, 33.6368, 9.6905



38.9810, 47.4571, 95.1006

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.



28.1880, 33.6368, 116.9897



46.1484, 33.6368, 9.6905



17.3510, 33.6368, 55.3203

Square

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



46.1484, 33.6368, 9.6905



20.1086, 33.6368, 11.2456



21.0423, 33.6368, 91.7255



47.7669, 33.6368, 85.2670

Rectangle

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



46.1484, 33.6368, 9.6905



29.5371, 33.6368, 5.1684



21.0423, 33.6368, 91.7255



34.5346, 33.6368, 118.5789

Sweetspot

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



46.1492, 33.6386, 9.6911



75.8315, 73.9675, 64.2524



50.5141, 28.0418, 55.3135



15.7984, 15.2353, 12.7803



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.



46.1492, 33.6386, 9.6911



45.9725, 30.2227, 5.0557



62.0933, 65.5269, 15.0058



16.8859, 17.2559, 17.2383



21.5750, 13.0355, 1.3790



1.9804, 1.3141, 0.1493

Inverse Universe

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



38.9810, 47.4571, 95.1006



37.6514, 45.3583, 101.3783



24.5598, 18.6148, 90.2935



16.5721, 17.9084, 21.1258



17.2400, 20.2739, 49.5426



1.6028, 1.9570, 4.3835

Previews

White Background



This preview shows how the XYZ color 46.1484, 33.6368, 9.6905 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 46.1484, 33.6368, 9.6905 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 46.1484, 33.6368, 9.6905

Background



This preview shows how black text looks on a background with the XYZ color 46.1484, 33.6368, 9.6905.



This preview shows how white text looks on a background with the XYZ color 46.1484, 33.6368,

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

46.1484, 33.6368, 9.6905

Protanopia

30.9977, 33.7067, 12.6569

Deuteranopia

34.5408, 33.8963, 9.2796



Tritanopia

48.9545, 33.7638, 22.3492

Trichromacy



Original Color

46.1484, 33.6368, 9.6905

Protanomaly

35.4002, 32.8998, 11.5057

Deuteranomaly

38.2111, 33.2940, 9.4135

Tritanomaly

47.7605, 33.6098, 16.8020

Monochromacy



Original Color

46.1484, 33.6368, 9.6905

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.3845, 30.7261, 22.5835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1484, 33.6368, 9.6905 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(247, 120, 69)` looks like.

```
.text, #text, p{  
    color:rgb(247, 120, 69)  
}
```

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(247, 120, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 120, 69) }
```

Border

The CSS property to change the border of an element to XYZ 46.1484, 33.6368, 9.6905 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(247, 120, 69) }
```


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

```
.border{ border-color:rgb(247, 120, 69) }
```

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

Here you see how a box with a 4 pixel rgb(247, 120, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 120, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 120, 69);  
box-shadow:4px 4px 4px 4px rgb(247, 120,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1484, 33.6368, 9.6905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 120, 69) }
```

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

```
.background{ background-color: rgb(247,  
120, 69) }
```

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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