

Converting Colors

XYZ(45.4102, 32.8065, 5.6177)

Have a look what the booklet for
XYZ(45.4102, 32.8065, 5.6177)
contains.

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Color

**XYZ(45.3911, 32.8064,
5.6090)**

Conversions

Conversions Part 1

Format	Color
Hex	F87524
RGB	248, 117, 36
RGB Percent	97%, 46%, 14%
CMY	0.0275, 0.5411, 0.8588
CMYK	0.00, 0.53, 0.85, 0.03
HSL	23°, 94%, 56%
HSV	23°, 85%, 97%
XYZ	45.3911, 32.8064, 5.6090
YIQ	146.9350, 104.0770, 2.5810

Conversions

Conversions Part 2

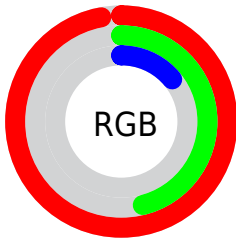
Format	Color
R_{YB}	248, 167, 36
Decimal	16282916
CIE Lab	64.00, 45.98, 63.52
CIE LCh	64, 78.416, 54.101
Yxy	32.8064, 0.5416, 0.3915
Android (android.graphics.Color)	4294472996 (0xFFFF87524)
YUV	146.9350, -54.6910, 88.6340
Hunter-Lab	57.2769, 41.2242, 34.2877

Details

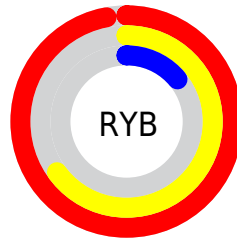
The XYZ color **45.3911, 32.8064, 5.6090** is a dark color, and the websafe version is hex **FF6600**. The color can be described as middle washed orange. A complement of this color would be **31.4884, 34.7877, 93.8612**, and the grayscale version is **27.8964, 29.3492, 31.9612**.

A 20% lighter version of the original color is **57.6061, 51.1071, 16.2797**, and **21.6006, 13.8571, 1.5362** is the 20% darker color. If you saturate the color by 10%, you get **43.4931, 29.4218, 3.7095**, and if you desaturate by 10%, it is **47.8445, 36.8838, 8.9848**.

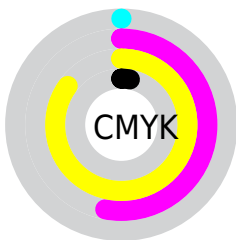
Distribution



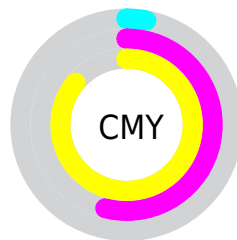
- Red (97%)
- Green (46%)
- Blue (14%)



- Red (97%)
- Yellow (65%)
- Blue (14%)



- Cyan (0%)
- Magenta (53%)
- Yellow (85%)
- Black (3%)





- Cyan (3%)
- Magenta (54%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3911, 32.8064, 5.6090 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 45.3911, 32.8064, 5.6090 by changing the saturation by 10% instead.


 45.3911, 32.8064,
5.6090


 45.3911, 32.8064,
5.6090


359.1123,
314.7765, 164.7120

 31.9682, 21.9782,
2.5439


 82.5404, 64.0732,
17.5772

 21.4926, 13.8409,
0.8633


 106.9976, 85.2805,
27.3174


 13.5991, 8.0101,
0.0000


 135.8635,
110.7163, 40.1197

 7.9222, 4.1014,
0.0000

 169.5036,
140.7650, 56.4027

 4.0966, 1.7304,
0.0000

 208.2831,
175.8109, 76.5849

 1.7569, 0.4433,
0.0000

 252.5675,

 0.4915, 0.0000,

216.2386, 101.0848

0.0000

302.7222,
262.4323, 130.3210

■ 0.0000, 0.0000,
0.0000

■ 45.3911, 32.8064,
5.6090

■ 45.3911, 32.8064,
5.6090

■ 43.4931, 29.4218,
3.7095

■ 47.8445, 36.8838,
8.9848


■ 42.7819, 28.0979,
3.1686


■ 50.9108, 41.6938,
14.0849


■ 54.6411, 47.2780,
21.1129


■ 59.0793, 53.6729,
30.2428

■ 64.2653, 60.9121,
41.6292

 70.2356, 69.0274,
55.4118

 77.0239, 78.0485,
71.7189

 84.6622, 88.0037,
90.6698

 92.4961, 98.6463,
108.7733

Harmonies

Analogous

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



54.9080, 32.8064, 16.1720



45.3911, 32.8064, 5.6090



33.4191, 32.8064, 2.9306

Triad

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



45.3911, 32.8064, 5.6090



14.4477, 32.8064, 29.8183



40.6992, 32.8064, 125.1787

Complementary

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



45.3911, 32.8064, 5.6090



31.4884, 34.7877, 93.8612

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.



29.0461, 32.8064, 137.0430



45.3911, 32.8064, 5.6090



15.5159, 32.8064, 66.8188

Square

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



45.3911, 32.8064, 5.6090



16.9296, 32.8064, 10.5838



20.2980, 32.8064, 111.2823



51.7814, 32.8064, 84.6713

Rectangle

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



45.3911, 32.8064, 5.6090



26.2809, 32.8064, 3.2257



20.2980, 32.8064, 111.2823



36.6564, 32.8064, 133.3682

Sweetspot

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



45.3918, 32.8082, 5.6096



74.4479, 73.0313, 58.1462



46.6231, 24.1307, 40.3633



15.4455, 14.9707, 11.3027



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.



45.3918, 32.8082, 5.6096



45.5552, 29.8904, 3.3684



64.5527, 71.1300, 11.9965



17.7882, 18.3123, 18.0595



23.2360, 15.4286, 1.7533



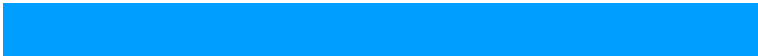
2.2509, 1.6267, 0.1953

Inverse Universe

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



31.4884, 34.7877, 93.8612



30.2024, 31.5248, 99.1008



19.5194, 10.8497, 89.8716



17.1762, 18.4293, 22.0372



15.4671, 16.2899, 50.3026



1.5349, 1.7135, 4.6930

Previews

White Background



This preview shows how the XYZ color 45.3911, 32.8064, 5.6090 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 45.3911, 32.8064, 5.6090 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 45.3911, 32.8064, 5.6090

Background



This preview shows how black text looks on a background with the XYZ color 45.3911, 32.8064, 5.6090.



This preview shows how white text looks on a background with the XYZ color 45.3911, 32.8064,

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

45.3911, 32.8064, 5.6090

Protanopia

29.8372, 32.9729, 7.3766

Deuteranopia

33.5689, 32.7814, 5.1304



Tritanopia

48.4632, 32.7309, 20.5930

Trichromacy



Original Color

45.3911, 32.8064, 5.6090

Protanomaly

34.1783, 31.9307, 6.5523

Deuteranomaly

37.2985, 32.2774, 5.1840

Tritanomaly

46.9800, 32.6169, 13.0521

Monochromacy



Original Color

45.3911, 32.8064, 5.6090

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

31.2252, 28.8602, 17.8347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3911, 32.8064, 5.6090 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(248, 117, 36)` looks like.

```
.text, #text, p{  
    color:rgb(248, 117, 36)  
}
```

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(248, 117, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 117, 36) }
```

Border

The CSS property to change the border of an element to XYZ 45.3911, 32.8064, 5.6090 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(248, 117, 36) }
```


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

```
.border{ border-color:rgb(248, 117, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 117, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 117, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 117, 36);  
box-shadow:4px 4px 4px 4px rgb(248, 117,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3911, 32.8064, 5.6090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 117, 36) }
```

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

```
.background{ background-color: rgb(248,  
117, 36) }
```

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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