

Converting Colors

XYZ(45.3684, 32.2577, 3.8352)

Have a look what the booklet for
XYZ(45.3684, 32.2577, 3.8352)
contains.

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Color

**XYZ(45.4417, 32.3586,
3.8508)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7200
RGB	250, 114, 0
RGB Percent	98%, 45%, 0%
CMY	0.0196, 0.5529, 1.0000
CMYK	0.00, 0.54, 1.00, 0.02
HSL	27°, 100%, 49%
HSV	27°, 100%, 98%
XYZ	45.4417, 32.3586, 3.8508
YIQ	141.6680, 117.6500, -6.6220

Conversions

Conversions Part 2

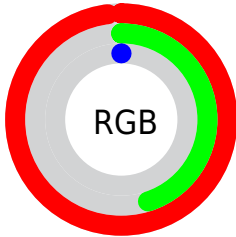
Format	Color
R _Y B	250, 210, 0
Decimal	16413184
CIE Lab	63.64, 47.70, 71.66
CIE LCh	64, 86.083, 56.349
Yxy	32.3586, 0.5565, 0.3963
Android (android.graphics.Color)	4294603264 (0xFFFA7200)
YUV	141.6680, -69.8423, 95.0072
Hunter-Lab	56.8846, 43.0448, 35.8056

Details

The XYZ color **45.4417, 32.3586, 3.8508** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **26.0593, 24.5101, 93.7994**, and the grayscale version is **25.8160, 27.1604, 29.5777**.

A 20% lighter version of the original color is **56.3481, 49.7075, 12.4190**, and **21.6763, 13.6518, 1.4926** is the 20% darker color. If you saturate the color by 10%, you get **45.4419, 32.3594, 3.8509**, and if you desaturate by 10%, it is **47.2678, 35.7304, 5.3255**.

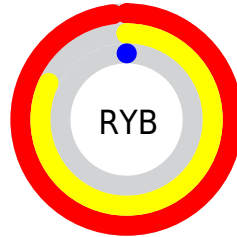
Distribution



Red (98%)

Green (45%)

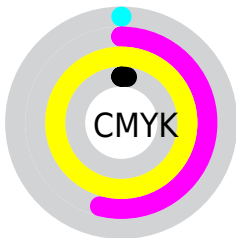
Blue (0%)



Red (98%)

Yellow (82%)

Blue (0%)

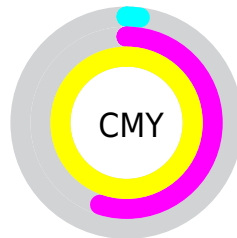


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4417, 32.3586, 3.8508 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 45.4417, 32.3586, 3.8508 by changing the saturation by 10% instead.


 45.4417, 32.3586,
3.8508


 45.4417, 32.3586,
3.8508


359.3132,
312.7496, 146.5523

 32.0082, 21.6355,
1.5439


 82.6158, 63.3728,
13.6642

 21.5234, 13.5894,
0.2503


 107.0872, 84.4328,
22.0077

 13.6217, 7.8356,
0.0000


 135.9686,
109.7072, 33.2005

 7.9380, 3.9899,
0.0000

 169.6253,
139.5805, 47.6610

 4.1068, 1.6679,
0.0000

 208.4228,
174.4369, 65.8080


 1.7627, 0.4028,
0.0000

 252.7264,

 0.4950, 0.0000,

214.6610, 88.0598


0.0000


 302.9014,
260.6371, 114.8351


 0.0000, 0.0000,
0.0000


 45.4417, 32.3586,
3.8508


 45.4417, 32.3586,
3.8508


 45.4419, 32.3594,
3.8509

 47.2678, 35.7304,
5.3255

 49.5555, 39.6652,
8.0628

 52.3836, 44.2105,
12.4306

 55.8025, 49.3997,
18.6525

 59.8554, 55.2631,
26.9167

64.5808, 61.8283,
37.3876

70.0135, 69.1209,
50.2129

76.1858, 77.1654,
65.5271

83.1277, 85.9844,
83.4548

Harmonies

Analogous

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



56.4988, 32.3586, 13.2460



45.4417, 32.3586, 3.8508



32.2528, 32.3586, 1.8481

Triad

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



45.4417, 32.3586, 3.8508



12.9613, 32.3586, 31.1800



42.2113, 32.3586, 134.2230

Complementary

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



45.4417, 32.3586, 3.8508



26.0593, 24.5101, 93.7994

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.



29.3060, 32.3586, 151.3712



45.4417, 32.3586, 3.8508



14.3319, 32.3586, 73.5886

Square

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



45.4417, 32.3586, 3.8508



15.2357, 32.3586, 9.7923



19.6335, 32.3586, 124.1921



54.3177, 32.3586, 86.1870

Rectangle

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



45.4417, 32.3586, 3.8508



24.6915, 32.3586, 2.2282



19.6335, 32.3586, 124.1921



37.7399, 32.3586, 144.7440

Sweetspot

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



45.4424, 32.3604, 3.8513



73.2175, 72.2771, 52.4751



43.9757, 22.1447, 25.8132



15.1386, 14.7611, 9.9544



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.



45.4424, 32.3604, 3.8513



47.5182, 33.8165, 4.0227



69.8532, 81.1820, 11.9883



17.8966, 18.5291, 18.0956



24.2437, 17.4441, 2.0893



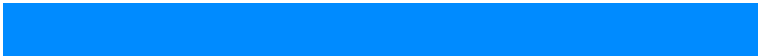
2.3499, 1.8246, 0.2283

Inverse Universe

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



26.0593, 24.5101, 93.7994



27.2415, 25.6030, 98.1138



17.3930, 7.1776, 90.9106



17.0655, 18.2078, 22.0003



13.9682, 13.2920, 49.8030



1.3997, 1.4431, 4.6479

Previews

White Background



This preview shows how the XYZ color 45.4417, 32.3586, 3.8508 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 45.4417, 32.3586, 3.8508 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 45.4417, 32.3586, 3.8508

Background



This preview shows how black text looks on a background with the XYZ color 45.4417, 32.3586, 3.8508.



This preview shows how white text looks on a background with the XYZ color 45.4417, 32.3586,

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

45.4417, 32.3586, 3.8508

Protanopia

29.3316, 32.5032, 5.5384

Deuteranopia

32.9394, 32.4695, 4.5312



Tritanopia

48.6427, 32.3830, 19.3096

Trichromacy



Original Color

45.4417, 32.3586, 3.8508

Protanomaly

33.8214, 31.3472, 4.7200

Deuteranomaly

36.6883, 31.7750, 4.1995

Tritanomaly

46.7832, 32.1006, 9.8612

Monochromacy



Original Color

45.4417, 32.3586, 3.8508

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.1528, 27.0645, 13.3603

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4417, 32.3586, 3.8508 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(250, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 114, 0)  
}
```

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(250, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.4417, 32.3586, 3.8508 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(250, 114, 0) }
```


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

```
.border{ border-color:rgb(250, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 114,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4417, 32.3586, 3.8508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 114, 0) }
```

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

```
.background{ background-color: rgb(250,  
114, 0) }
```

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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