

Converting Colors

XYZ(45.5582, 32.6449, 3.8999)

Have a look what the booklet for
XYZ(45.5582, 32.6449, 3.8999)
contains.

XYZ(45.5551, 32.5855, 3.8886)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.5551, 32.5855,
3.8886)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7300
RGB	250, 115, 0
RGB Percent	98%, 45%, 0%
CMY	0.0196, 0.5490, 1.0000
CMYK	0.00, 0.54, 1.00, 0.02
HSL	28°, 100%, 49%
HSV	28°, 100%, 98%
XYZ	45.5551, 32.5855, 3.8886
YIQ	142.2550, 117.3750, -7.1450

Conversions

Conversions Part 2

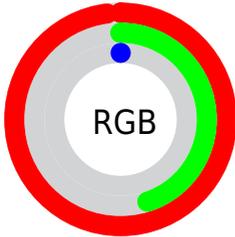
Format	Color
RYB	250, 213, 0
Decimal	16413440
CIELab	63.82, 47.23, 71.76
CIElCh	64, 85.909, 56.653
Yxy	32.5855, 0.5554, 0.3972
Android (android.graphics.Color)	4294603520 (0xFFFA7300)
YUV	142.2550, -70.1317, 94.4924
Hunter-Lab	57.0837, 42.5537, 35.9197

Details

The XYZ color **45.5551, 32.5855, 3.8886** 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 **25.9189, 24.2295, 93.7524**, and the grayscale version is **26.0506, 27.4072, 29.8465**.

A 20% lighter version of the original color is **56.5335, 50.0781, 12.4808**, and **21.7302, 13.7595, 1.5105** is the 20% darker color. If you saturate the color by 10%, you get **45.5553, 32.5864, 3.8888**, and if you desaturate by 10%, it is **47.3852, 35.9653, 5.3646**.

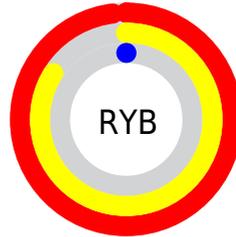
Distribution



Red (98%)

Green (45%)

Blue (0%)



Red (98%)

Yellow (84%)

Blue (0%)

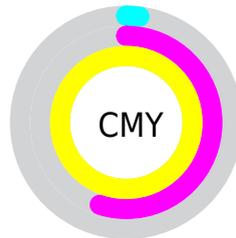


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5551, 32.5855, 3.8886 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 45.5551, 32.5855, 3.8886 by changing the saturation by 10% instead.

 45.5551, 32.5855,
3.8886

 45.5551, 32.5855,
3.8886

359.7631,
313.7778, 146.9790

 32.0980, 21.8091,
1.5644

 82.7847, 63.7278,
13.7520

 21.5923, 13.7167,
0.2652

 107.2880, 84.8626,
22.1283

 13.6726, 7.9239,
0.0000

 136.2040,
110.2189, 33.3591

 7.9734, 4.0463,
0.0000

 169.8981,
140.1812, 47.8629

 4.1296, 1.6995,
0.0000

 208.7358,
175.1338, 66.0583

 1.7757, 0.4233,
0.0000

 253.0822,

 0.5030, 0.0000,

215.4612, 88.3637

0.0000

 303.3029,
261.5477, 115.1978

 0.0000, 0.0000,
0.0000

 45.5551, 32.5855,
3.8886

 45.5551, 32.5855,
3.8886

 45.5553, 32.5864,
3.8888

 47.3852, 35.9653,
5.3646

 49.6741, 39.9025,
8.1023

 52.5002, 44.4438,
12.4694

 55.9138, 49.6224,
18.6895

 59.9579, 55.4682,
26.9507

64.6708, 62.0084,
37.4174

70.0871, 69.2683,
50.2371

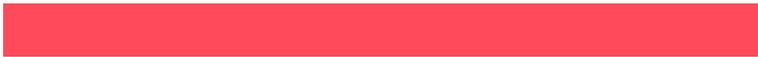
76.2390, 77.2719,
65.5445

83.1562, 86.0418,
83.4639

Harmonies

Analogous

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



56.6770, 32.5855, 13.2423



45.5551, 32.5855, 3.8886



32.3460, 32.5855, 1.8988

Triad

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



45.5551, 32.5855, 3.8886



13.1048, 32.5855, 31.7403



42.5875, 32.5855, 134.1505

Complementary

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



45.5551, 32.5855, 3.8886



25.9189, 24.2295, 93.7524

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.



29.6366, 32.5855, 151.7261



45.5551, 32.5855, 3.8886



14.5200, 32.5855, 74.4090

Square

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



45.5551, 32.5855, 3.8886



15.3529, 32.5855, 10.0555



19.8888, 32.5855, 124.9537



54.6745, 32.5855, 85.9701

Rectangle

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



45.5551, 32.5855, 3.8886



24.7876, 32.5855, 2.3044



19.8888, 32.5855, 124.9537



38.1068, 32.5855, 144.7916

Sweetspot

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



45.5558, 32.5873, 3.8891



73.2948, 72.4316, 52.5008



43.9756, 22.1446, 25.8130



15.1568, 14.7975, 9.9604



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.



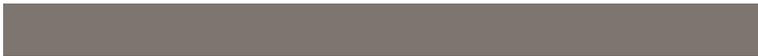
45.5558, 32.5873, 3.8891



47.6369, 34.0538, 4.0623



69.8531, 81.1819, 11.9882



17.9025, 18.5409, 18.0976



24.3044, 17.5655, 2.1095



2.3557, 1.8363, 0.2303

Inverse Universe

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



25.9189, 24.2295, 93.7524



27.0947, 25.3095, 98.0649



17.3930, 7.1775, 90.9104



17.0595, 18.1959, 21.9983



13.8937, 13.1430, 49.7781



1.3929, 1.4294, 4.6457

Previews

White Background



This preview shows how the XYZ color 45.5551, 32.5855, 3.8886 looks on a white background.

Color Contrast Check

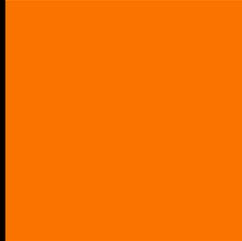
Large Text (above 18pt) WCAG AA × Fail

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 45.5551, 32.5855, 3.8886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

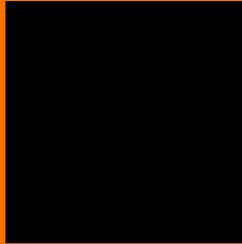
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5551, 32.5855, 3.8886

Background



This preview shows how black text looks on a background with the XYZ color 45.5551, 32.5855, 3.8886.



This preview shows how white text looks on a background with the XYZ color 45.5551, 32.5855,

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

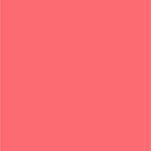
45.5551, 32.5855, 3.8886

Protanopia

29.7223, 32.9528, 5.6046

Deuteranopia

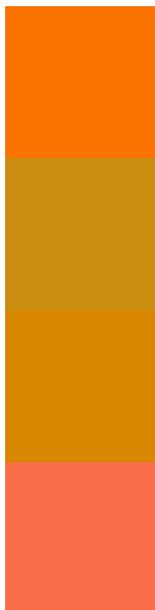
33.1987, 32.6032, 4.5433



Tritanopia

48.8030, 32.6129, 19.6423

Trichromacy



Original Color

45.5551, 32.5855, 3.8886

Protanomaly

33.9682, 31.6408, 4.7689

Deuteranomaly

36.9829, 31.9269, 4.2133

Tritanomaly

46.9234, 32.3283, 10.0702

Monochromacy



Original Color

45.5551, 32.5855, 3.8886

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 45.5551, 32.5855, 3.8886 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, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 115, 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, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.5551, 32.5855, 3.8886 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, 115, 0) }
```


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

```
.border{ border-color:rgb(250, 115, 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, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5551, 32.5855, 3.8886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 115, 0) }
```

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

```
.background{ background-color: rgb(250,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor