

Converting Colors

XYZ(46.8400, 35.1557, 4.3170)

Have a look what the booklet for
XYZ(46.8400, 35.1557, 4.3170)
contains.

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Color

**XYZ(46.8852, 35.2457,
4.3320)**

Conversions

Conversions Part 1

Format	Color
Hex	FA7E00
RGB	250, 126, 0
RGB Percent	98%, 49%, 0%
CMY	0.0196, 0.5059, 1.0000
CMYK	0.00, 0.50, 1.00, 0.02
HSL	30°, 100%, 49%
HSV	30°, 100%, 98%
XYZ	46.8852, 35.2457, 4.3320
YIQ	148.7120, 114.3500, -12.8980

Conversions

Conversions Part 2

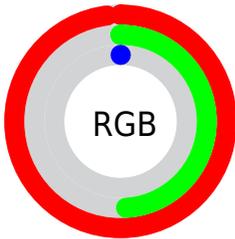
Format	Color
R_{YB}	246, 250, 0
Decimal	16416256
CIE _{Lab}	65.94, 41.88, 73.00
CIE _{LCh}	66, 84.158, 60.158
Yxy	35.2457, 0.5423, 0.4076
Android (android.graphics.Color)	4294606336 (0xFFFA7E00)
YUV	148.7120, -73.3150, 88.8296
Hunter-Lab	59.3681, 37.0740, 37.2314

Details

The XYZ color **46.8852, 35.2457, 4.3320** 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 **24.4631, 21.3177, 93.2671**, and the grayscale version is **28.7123, 30.2075, 32.8960**.

A 20% lighter version of the original color is **58.7310, 54.3704, 13.5300**, and **22.6985, 15.3367, 1.7639** is the 20% darker color. If you saturate the color by 10%, you get **46.8853, 35.2463, 4.3321**, and if you desaturate by 10%, it is **48.7467, 38.6882, 5.8186**.

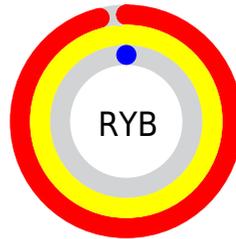
Distribution



Red (98%)

Green (49%)

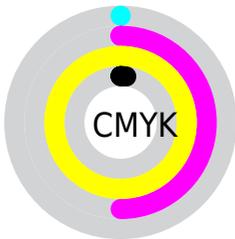
Blue (0%)



Red (96%)

Yellow (98%)

Blue (0%)

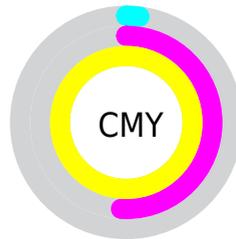


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8852, 35.2457, 4.3320 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 46.8852, 35.2457, 4.3320 by changing the saturation by 10% instead.

 46.8852, 35.2457,
4.3320

 46.8852, 35.2457,
4.3320

365.0127,
325.6515, 151.8470

 33.1525, 23.8522,
1.8092

 84.7620, 67.8662,
14.7685

 22.4031, 15.2240,
0.4340

 109.6368, 89.8620,
23.5192

 14.2716, 8.9768,
0.0000

 138.9564,
116.1607, 35.1831

 8.3928, 4.7260,
0.0000

 173.0860,
147.1467, 50.1785

 4.4012, 2.0874,
0.0000

 212.3911,
183.2044, 68.9241

 1.9315, 0.6575,
0.0000

 257.2370,

 0.5951, 0.0000,

224.7182, 91.8383

0.0000

 307.9891,
272.0724, 119.3398

 0.0000, 0.0000,
0.0000

 46.8852, 35.2457,
4.3320

 46.8852, 35.2457,
4.3320

 46.8853, 35.2463,
4.3321

 48.7467, 38.6882,
5.8186

 51.0356, 42.6254,
8.5564

 53.8283, 47.0999,
12.9125

 57.1730, 52.1407,
19.1099

 61.1108, 57.7738,
27.3358

65.6782, 64.0229,
37.7542

70.9081, 70.9100,
50.5121

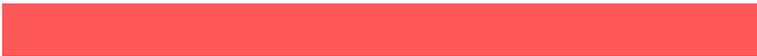
76.8311, 78.4557,
65.7434

83.4754, 86.6796,
83.5720

Harmonies

Analogous

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



58.7647, 35.2457, 13.2044



46.8852, 35.2457, 4.3320



33.4341, 35.2457, 2.5362

Triad

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



46.8852, 35.2457, 4.3320



14.8058, 35.2457, 38.5658



47.0283, 35.2457, 133.4641

Complementary

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



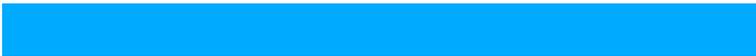
46.8852, 35.2457, 4.3320



24.4631, 21.3177, 93.2671

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.



33.5660, 35.2457, 155.9261



46.8852, 35.2457, 4.3320



16.7672, 35.2457, 84.1714

Square

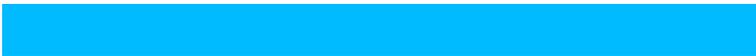
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.8852, 35.2457, 4.3320



16.7256, 35.2457, 13.3657



22.9407, 35.2457, 133.8980



58.8607, 35.2457, 83.6204

Rectangle

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



46.8852, 35.2457, 4.3320



25.9067, 35.2457, 3.2867



22.9407, 35.2457, 133.8980



42.4485, 35.2457, 145.4729

Sweetspot

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



46.8860, 35.2476, 4.3326



74.1538, 74.1496, 52.7872



43.1261, 21.8048, 21.3393



15.3594, 15.2027, 10.0280



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.



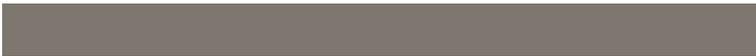
46.8860, 35.2476, 4.3326



49.0277, 36.8353, 4.5259



73.6094, 88.6945, 13.2404



17.9676, 18.6711, 18.1193



25.0138, 18.9843, 2.3460



2.4228, 1.9704, 0.2526

Inverse Universe

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



24.4631, 21.3177, 93.2671



25.5719, 22.2638, 97.5573



17.2554, 6.9024, 90.8646



16.9941, 18.0651, 21.9765



13.1193, 11.5942, 49.5200



1.3210, 1.2857, 4.6217

Previews

White Background



This preview shows how the XYZ color 46.8852, 35.2457, 4.3320 looks on a white background.

Color Contrast Check

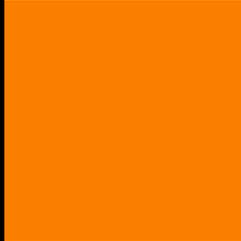
Large Text (above 18pt) WCAG AA × Fail

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 46.8852, 35.2457, 4.3320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

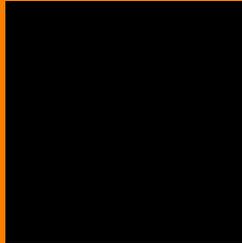
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8852, 35.2457, 4.3320

Background



This preview shows how black text looks on a background with the XYZ color 46.8852, 35.2457, 4.3320.



This preview shows how white text looks on a background with the XYZ color 46.8852, 35.2457,

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

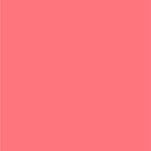
46.8852, 35.2457, 4.3320

Protanopia

31.9457, 35.3714, 5.9027

Deuteranopia

35.8568, 35.1530, 4.8953



Tritanopia

50.9360, 35.2741, 23.5260

Trichromacy



Original Color

46.8852, 35.2457, 4.3320

Protanomaly

36.1228, 34.3333, 5.1386

Deuteranomaly

39.3377, 34.8606, 4.6554

Tritanomaly

48.6725, 34.8948, 11.7595

Monochromacy



Original Color

46.8852, 35.2457, 4.3320

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

31.8401, 30.3151, 14.9997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8852, 35.2457, 4.3320 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, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 126, 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, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 126, 0) }
```

Border

The CSS property to change the border of an element to XYZ 46.8852, 35.2457, 4.3320 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, 126, 0) }
```

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

```
.border{ border-color:rgb(250, 126, 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, 126, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 126,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8852, 35.2457, 4.3320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 126, 0) }
```

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

```
.background{ background-color: rgb(250,  
126, 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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