

Converting Colors

XYZ(48.5778, 35.6549, 5.2414)

Have a look what the booklet for
XYZ(48.5778, 35.6549, 5.2414)
contains.

XYZ(48.6231, 35.7455, 5.2566)	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(48.6231, 35.7455,
5.2566)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7C19
RGB	255, 124, 25
RGB Percent	100%, 49%, 10%
CMY	0.0000, 0.5137, 0.9019
CMYK	0.00, 0.51, 0.90, 0.00
HSL	26°, 100%, 55%
HSV	26°, 90%, 100%
XYZ	48.6231, 35.7455, 5.2566
YIQ	151.8830, 109.8550, -3.0170

Conversions

Conversions Part 2

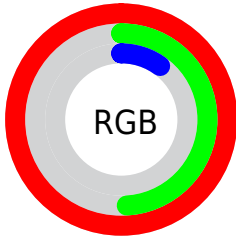
Format	Color
R_{YB}	255, 199, 25
Decimal	16743449
CIE _{Lab}	66.33, 45.04, 69.12
CIE _{LCh}	66, 82.495, 56.910
Yxy	35.7455, 0.5425, 0.3988
Android (android.graphics.Color)	4294933529 (0xFFFF7C19)
YUV	151.8830, -62.5533, 90.4336
Hunter-Lab	59.7875, 40.5396, 36.6384

Details

The XYZ color **48.6231, 35.7455, 5.2566** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **30.3387, 31.2022, 99.0305**, and the grayscale version is **30.0241, 31.5877, 34.3990**.

A 20% lighter version of the original color is **58.9214, 54.1247, 15.5252**, and **23.7391, 15.5828, 1.7566** is the 20% darker color. If you saturate the color by 10%, you get **46.7904, 32.3614, 3.7803**, and if you desaturate by 10%, it is **50.9913, 39.8244, 8.0744**.

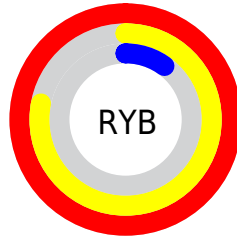
Distribution



Red (100%)

Green (49%)

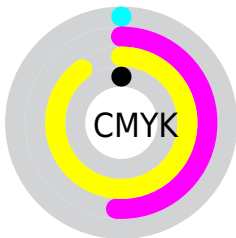
Blue (10%)



Red (100%)

Yellow (78%)

Blue (10%)

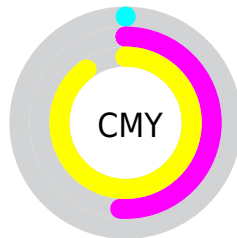


Cyan (0%)

Magenta (51%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (51%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6231, 35.7455, 5.2566 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 48.6231, 35.7455, 5.2566 by changing the saturation by 10% instead.


 48.6231, 35.7455,
5.2566


 48.6231, 35.7455,
5.2566

371.7983,
327.8468, 161.3087


 34.5339, 24.2377,
2.3372


 87.3355, 68.6391,
16.8174

 23.4689, 15.5100,
0.7520


 112.6894, 90.7936,
26.2959


 15.0627, 9.1781,
0.0000


 142.5290,
117.2659, 38.7979

 8.9500, 4.8575,
0.0000

 177.2195,
148.4403, 54.7419

 4.7654, 2.1639,
0.0000

 217.1263,
184.7012, 74.5464

 2.1436, 0.7002,
0.0000

 262.6148,

 0.7128, 0.0000,

226.4330, 98.6300

0.0000

314.0503,
274.0200, 127.4113

■ 0.0000, 0.0000,
0.0000

■ 48.6231, 35.7455,
5.2566

■ 48.6231, 35.7455,
5.2566

■ 46.7904, 32.3614,
3.7803

■ 50.9913, 39.8244,
8.0744

■ 53.9446, 44.5822,
12.6005

■ 57.5383, 50.0591,
19.0719

■ 61.8194, 56.2897,
27.6872

■ 66.8297, 63.3056,
38.6200

72.6070, 71.1364,
52.0259

79.1864, 79.8097,
68.0471

86.6004, 89.3518,
86.8145

94.8799, 99.7878,
108.4504

Harmonies

Analogous

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



59.7876, 35.7455, 15.5779



48.6231, 35.7455, 5.2566



35.2684, 35.7455, 2.8764

Triad

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



48.6231, 35.7455, 5.2566



15.3818, 35.7455, 35.3760



45.8672, 35.7455, 136.2142

Complementary

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



48.6231, 35.7455, 5.2566



30.3387, 31.2022, 99.0305

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.



32.7136, 35.7455, 153.6177



48.6231, 35.7455, 5.2566



16.9230, 35.7455, 78.4215

Square

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



48.6231, 35.7455, 5.2566



17.7384, 35.7455, 12.3839



22.6109, 35.7455, 127.9544



57.9450, 35.7455, 88.9699

Rectangle

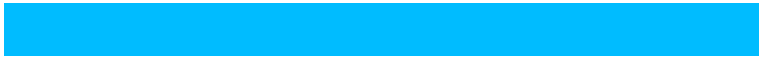
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48.6231, 35.7455, 5.2566



27.5384, 35.7455, 3.4052



22.6109, 35.7455, 127.9544



41.3438, 35.7455, 146.6444

Sweetspot

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



48.6239, 35.7475, 5.2572



74.6203, 73.8143, 56.8527



47.8600, 24.4644, 35.0771



15.5119, 15.1874, 11.0666



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.



48.6239, 35.7475, 5.2572



46.7909, 32.3617, 3.7803



71.3625, 81.2247, 12.8367



18.6524, 19.2729, 18.8813



24.5907, 17.1926, 2.0224



2.5003, 1.8859, 0.2322

Inverse Universe

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



30.3387, 31.2022, 99.0305



28.2110, 27.5420, 98.4370



19.3580, 9.2409, 95.3703



17.8618, 19.0952, 22.9943



14.8921, 14.6938, 51.4859



1.5586, 1.6478, 5.0492

Previews

White Background



This preview shows how the XYZ color 48.6231, 35.7455, 5.2566 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 48.6231, 35.7455, 5.2566 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 48.6231, 35.7455, 5.2566

Background



This preview shows how black text looks on a background with the XYZ color 48.6231, 35.7455, 5.2566.



This preview shows how white text looks on a background with the XYZ color 48.6231, 35.7455,

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

48.6231, 35.7455, 5.2566

Protanopia

32.5151, 35.9071, 6.8071

Deuteranopia

36.2931, 35.6198, 4.9625



Tritanopia

51.4201, 35.6975, 23.5822

Trichromacy



Original Color

48.6231, 35.7455, 5.2566

Protanomaly

37.1317, 34.8340, 6.0629

Deuteranomaly

40.1537, 35.0537, 4.9082

Tritanomaly

49.7596, 35.4142, 13.6642

Monochromacy



Original Color

48.6231, 35.7455, 5.2566

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

33.2608, 31.2054, 17.9059

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6231, 35.7455, 5.2566 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(255, 124, 25)` looks like.

```
.text, #text, p{  
    color:rgb(255, 124, 25)  
}
```

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(255, 124, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 124, 25) }
```

Border

The CSS property to change the border of an element to XYZ 48.6231, 35.7455, 5.2566 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(255, 124, 25) }
```


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

```
.border{ border-color:rgb(255, 124, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 124, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 124, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 124, 25);  
box-shadow:4px 4px 4px 4px rgb(255, 124,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6231, 35.7455, 5.2566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 124, 25) }
```

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

```
.background{ background-color: rgb(255,  
124, 25) }
```

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