

Converting Colors

XYZ(46.5322, 37.9981, 6.7806)

Have a look what the booklet for
XYZ(46.5322, 37.9981, 6.7806)
contains.

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Color

**XYZ(46.5090, 38.0735,
6.8171)**

Conversions

Conversions Part 1

Format	Color
Hex	F28D27
RGB	242, 141, 39
RGB Percent	95%, 55%, 15%
CMY	0.0510, 0.4470, 0.8470
CMYK	0.00, 0.42, 0.84, 0.05
HSL	30°, 89%, 55%
HSV	30°, 84%, 95%
XYZ	46.5090, 38.0735, 6.8171
YIQ	159.5710, 92.9380, -10.3100

Conversions

Conversions Part 2

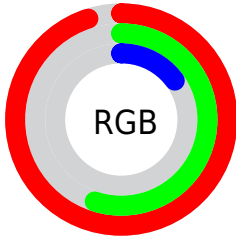
Format	Color
R_{YB}	240, 242, 39
Decimal	15895847
CIE _{Lab}	68.07, 31.61, 65.54
CIE _{LCh}	68, 72.767, 64.249
Yxy	38.0735, 0.5089, 0.4166
Android (android.graphics.Color)	4294085927 (0xFFFF28D27)
YUV	159.5710, -59.4415, 72.2902
Hunter-Lab	61.7037, 26.5623, 36.6422

Details

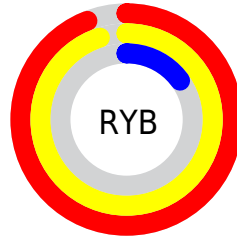
The XYZ color **46.5090, 38.0735, 6.8171** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **26.2412, 25.5971, 87.5613**, and the grayscale version is **33.4521, 35.1942, 38.3265**.

A 20% lighter version of the original color is **62.7755, 61.0984, 19.0742**, and **22.2466, 16.8960, 2.0887** is the 20% darker color. If you saturate the color by 10%, you get **44.5484, 34.6030, 4.7757**, and if you desaturate by 10%, it is **48.9195, 42.0361, 10.2680**.

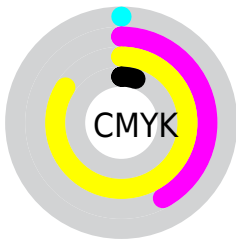
Distribution



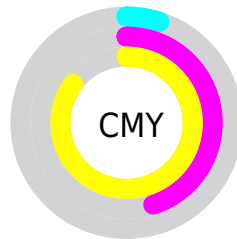
- Red (95%)
- Green (55%)
- Blue (15%)



- Red (94%)
- Yellow (95%)
- Blue (15%)



- Cyan (0%)
- Magenta (42%)
- Yellow (84%)
- Black (5%)





- Cyan (5%)
- Magenta (45%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5090, 38.0735, 6.8171 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 46.5090, 38.0735, 6.8171 by changing the saturation by 10% instead.


 46.5090, 38.0735,
6.8171


 46.5090, 38.0735,
6.8171


363.5330,
337.9352, 175.7080

 32.8540, 26.0397,
3.2713


 84.2035, 72.2208,
20.1109


 22.1733, 16.8534,
1.2348


 108.9736, 95.1031,
30.6959


 14.1016, 10.1300,
0.0074


 138.1795,
122.3704, 44.4644

 8.2736, 5.4852,
0.0000

 172.1866,
154.4070, 61.8349

 4.3238, 2.5347,
0.0000

 211.3601,
191.5974, 83.2260

 1.8869, 0.8939,
0.0000

 256.0654,

 0.5692, 0.0000,

234.3260, 109.0562

0.0000

306.6679,
282.9771, 139.7440

■ 0.0000, 0.0000,
0.0000

■ 46.5090, 38.0735,
6.8171

■ 46.5090, 38.0735,
6.8171

■ 44.5484, 34.6030,
4.7757

■ 48.9195, 42.0361,
10.2680


■ 43.5284, 32.6987,
4.0173


■ 51.8252, 46.5134,
15.3501


■ 55.2673, 51.5323,
22.2477


■ 59.2809, 57.1157,
31.1195

■ 63.8977, 63.2845,
42.1067

 69.1467, 70.0583,
55.3375

 75.0548, 77.4556,
70.9297

 81.6472, 85.4941,
88.9927

 88.6560, 94.0738,
108.0931

Harmonies

Analogous

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



57.3632, 38.0735, 15.3118



46.5090, 38.0735, 6.8171



34.5967, 38.0735, 5.1630

Triad

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



46.5090, 38.0735, 6.8171



18.5111, 38.0735, 46.2548



49.8945, 38.0735, 117.4367

Complementary

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



46.5090, 38.0735, 6.8171



26.2412, 25.5971, 87.5613

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.



37.8268, 38.0735, 140.0837



46.5090, 38.0735, 6.8171



20.9939, 38.0735, 87.4515

Square

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



46.5090, 38.0735, 6.8171



19.8904, 38.0735, 19.8170



27.5189, 38.0735, 126.9420



59.5869, 38.0735, 74.9257

Rectangle

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



46.5090, 38.0735, 6.8171



27.9529, 38.0735, 6.6115



27.5189, 38.0735, 126.9420



45.8991, 38.0735, 128.4070

Sweetspot

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



46.5098, 38.0755, 6.8178



77.1351, 77.9598, 60.4169



42.1140, 22.2367, 27.0777



16.0530, 16.1006, 11.7680



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.



46.5098, 38.0755, 6.8178



48.9769, 36.7337, 4.5090



68.7357, 82.5272, 14.2264



16.4291, 17.0714, 16.5789



23.5210, 17.8400, 2.2038



2.0563, 1.6832, 0.2165

Inverse Universe

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



26.2412, 25.5971, 87.5613



25.6219, 22.3638, 97.5740



17.5894, 8.2935, 84.6773



15.5469, 16.5279, 20.0924



12.3803, 10.9848, 46.5956



1.1294, 1.1128, 3.9095

Previews

White Background



This preview shows how the XYZ color 46.5090, 38.0735, 6.8171 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 46.5090, 38.0735, 6.8171 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 46.5090, 38.0735, 6.8171

Background



This preview shows how black text looks on a background with the XYZ color 46.5090, 38.0735, 6.8171.



This preview shows how white text looks on a background with the XYZ color 46.5090, 38.0735,

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

46.5090, 38.0735, 6.8171

Protanopia

34.8054, 38.3995, 8.1622

Deuteranopia

39.0395, 38.2491, 6.5535



Tritanopia

51.4168, 38.1998, 29.8626

Trichromacy



Original Color

46.5090, 38.0735, 6.8171

Protanomaly

38.3950, 37.8935, 7.5760

Deuteranomaly

41.6270, 38.0959, 6.5981

Tritanomaly

48.8189, 37.7399, 17.8082

Monochromacy



Original Color

46.5090, 38.0735, 6.8171

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

35.7788, 34.9906, 21.3911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5090, 38.0735, 6.8171 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(242, 141, 39)` looks like.

```
.text, #text, p{  
    color:rgb(242, 141, 39)  
}
```

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(242, 141, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 141, 39) }
```

Border

The CSS property to change the border of an element to XYZ 46.5090, 38.0735, 6.8171 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(242, 141, 39) }
```


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

```
.border{ border-color:rgb(242, 141, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 141, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 141, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 141, 39);  
box-shadow:4px 4px 4px 4px rgb(242, 141,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5090, 38.0735, 6.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 141, 39) }
```

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

```
.background{ background-color: rgb(242,  
141, 39) }
```

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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