

Converting Colors

XYZ(38.4406, 25.4950, 3.1060)

Have a look what the booklet for
XYZ(38.4406, 25.4950, 3.1060)
contains.

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Color

**XYZ(38.4576, 25.5025,
3.0965)**

Conversions

Conversions Part 1

Format	Color
Hex	EC5C07
RGB	236, 92, 7
RGB Percent	93%, 36%, 3%
CMY	0.0745, 0.6392, 0.9725
CMYK	0.00, 0.61, 0.97, 0.07
HSL	22°, 94%, 48%
HSV	22°, 97%, 93%
XYZ	38.4576, 25.5025, 3.0965
YIQ	125.3660, 113.1090, 4.0930

Conversions

Conversions Part 2

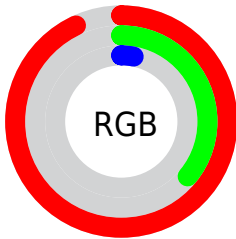
Format	Color
RYB	236, 142, 7
Decimal	15490055
CIELab	57.56, 52.74, 65.78
CIElCh	58, 84.314, 51.281
Yxy	25.5025, 0.5735, 0.3803
Android (android.graphics.Color)	4293680135 (0xFFEC5C07)
YUV	125.3660, -58.3544, 97.0260
Hunter-Lab	50.5000, 47.5593, 31.7145

Details

The XYZ color **38.4576, 25.5025, 3.0965** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed red. A complement of this color would be **26.2935, 28.2325, 83.4200**, and the grayscale version is **19.7819, 20.8121, 22.6644**.

A 20% lighter version of the original color is **52.7171, 42.5448, 10.9023**, and **17.6143, 9.9727, 0.9966** is the 20% darker color. If you saturate the color by 10%, you get **38.0493, 24.7476, 2.7713**, and if you desaturate by 10%, it is **40.0759, 28.4134, 4.6412**.

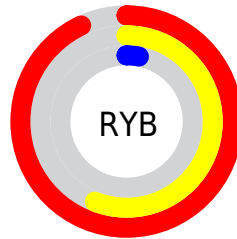
Distribution



Red (93%)

Green (36%)

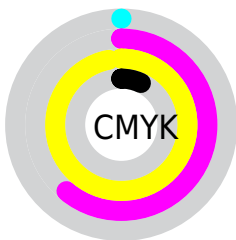
Blue (3%)



Red (93%)

Yellow (56%)

Blue (3%)

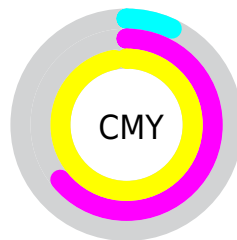


Cyan (0%)

Magenta (61%)

Yellow (97%)

Black (7%)



Cyan (7%)


Magenta (64%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4576, 25.5025, 3.0965 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 38.4576, 25.5025, 3.0965 by changing the saturation by 10% instead.

 38.4576, 25.5025,
3.0965


 38.4576, 25.5025,
3.0965


330.8259,
280.3313, 137.5804


 26.5169, 16.4518,
1.1441


 72.1084, 52.4713,
11.8656

 17.3454, 9.8444,
0.0000


 94.5491, 71.1581,
19.5195


 10.5779, 5.2959,
0.0000


 121.2206, 93.8259,
29.9109

 5.8490, 2.4219,
0.0000

 152.4881,
120.8589, 43.4584

 2.7932, 0.8371,
0.0000

 188.7170,
152.6415, 60.5806


 1.0454, 0.0000,
0.0000


 230.2727,


 0.0000, 0.0000,


189.5582, 81.6959


0.0000


 277.5206,
231.9933, 107.2230


 38.4576, 25.5025,
3.0965


 38.4576, 25.5025,
3.0965


 38.0493, 24.7476,
2.7713

 40.0759, 28.4134,
4.6412

 42.1838, 31.9436,
7.4575

 44.8386, 36.1372,
11.7828

 48.0863, 41.0317,
17.8013

 51.9674, 46.6609,
25.6706

■ 56.5182, 53.0563,
35.5300

■ 61.7717, 60.2471,
47.5052

■ 67.7591, 68.2610,
61.7115

■ 74.5090, 77.1242,
78.2557

Harmonies

Analogous

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



47.0904, 25.5025, 12.1283



38.4576, 25.5025, 3.0965



27.2903, 25.5025, 1.1196

Triad

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



38.4576, 25.5025, 3.0965



9.7099, 25.5025, 20.1906



31.9564, 25.5025, 117.9344

Complementary

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



38.4576, 25.5025, 3.0965



26.2935, 28.2325, 83.4200

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.



21.4247, 25.5025, 126.3518



38.4576, 25.5025, 3.0965



10.3172, 25.5025, 53.1061

Square

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



38.4576, 25.5025, 3.0965



12.0662, 25.5025, 5.5359



14.0446, 25.5025, 97.2598



42.6725, 25.5025, 78.8070

Rectangle

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



38.4576, 25.5025, 3.0965



20.6501, 25.5025, 1.1710



14.0446, 25.5025, 97.2598



28.2221, 25.5025, 125.1749

Sweetspot

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



38.4581, 25.5040, 3.0969



72.2638, 69.9547, 53.4369



40.3382, 20.2529, 31.5036



14.8872, 14.1804, 10.1108



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.



38.4581, 25.5040, 3.0969



45.3015, 29.3830, 3.2838



56.5733, 61.7343, 9.1353



15.5235, 15.9699, 15.7831



21.0873, 13.8688, 1.5655



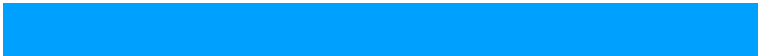
1.7453, 1.2679, 0.1527

Inverse Universe

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



26.2935, 28.2325, 83.4200



30.6801, 32.4802, 99.2600



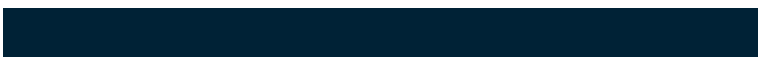
15.9063, 7.4580, 79.9575



15.0205, 16.1275, 19.2435



14.3452, 15.3374, 45.9473



1.2180, 1.3875, 3.6385

Previews

White Background



This preview shows how the XYZ color 38.4576, 25.5025, 3.0965 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4576, 25.5025, 3.0965 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 × Fail

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

XYZ 38.4576, 25.5025, 3.0965

Background



This preview shows how black text looks on a background with the XYZ color 38.4576, 25.5025, 3.0965.



This preview shows how white text looks on a background with the XYZ color 38.4576, 25.5025,

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

38.4576, 25.5025, 3.0965

Protanopia

23.1184, 25.6033, 4.6432

Deuteranopia

25.9305, 25.6165, 3.5778



Tritanopia

40.4760, 25.5881, 12.7032

Trichromacy



Original Color

38.4576, 25.5025, 3.0965

Protanomaly

27.0763, 24.2770, 3.8311

Deuteranomaly

29.4037, 24.5995, 3.2846

Tritanomaly

39.2304, 25.3102, 7.0927

Monochromacy



Original Color

38.4576, 25.5025, 3.0965

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.9452, 20.4188, 10.7145

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4576, 25.5025, 3.0965 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(236, 92, 7)` looks like.

```
.text, #text, p{  
    color:rgb(236, 92, 7)  
}
```

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(236, 92, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 92, 7) }
```

Border

The CSS property to change the border of an element to XYZ 38.4576, 25.5025, 3.0965 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(236, 92, 7) }
```


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

```
.border{ border-color:rgb(236, 92, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 92, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 92, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 92, 7);  
box-shadow:4px 4px 4px 4px rgb(236, 92, 7)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.4576, 25.5025, 3.0965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 92, 7) }
```

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

```
.background{ background-color: rgb(236, 92,  
7) }
```

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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