

Converting Colors

XYZ(38.1499, 23.4422, 3.4920)

Have a look what the booklet for
XYZ(38.1499, 23.4422, 3.4920)
contains.

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Color

**XYZ(38.0308, 23.4206,
3.4935)**

Conversions

Conversions Part 1

Format	Color
Hex	EE4C1A
RGB	238, 76, 26
RGB Percent	93%, 30%, 10%
CMY	0.0667, 0.7019, 0.8980
CMYK	0.00, 0.68, 0.89, 0.07
HSL	14°, 86%, 52%
HSV	14°, 89%, 93%
XYZ	38.0308, 23.4206, 3.4935
YIQ	118.7380, 112.6020, 18.7940

Conversions

Conversions Part 2

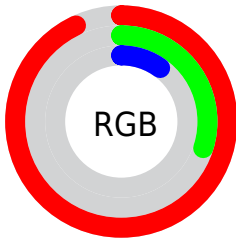
Format	Color
R_{YB}	238, 91, 26
Decimal	15617050
CIE Lab	55.50, 60.24, 59.73
CIE LCh	56, 84.831, 44.756
Yxy	23.4206, 0.5856, 0.3606
Android (android.graphics.Color)	4293807130 (0xFFEE4C1A)
YUV	118.7380, -45.7198, 104.5928
Hunter-Lab	48.3948, 55.5822, 29.5964

Details

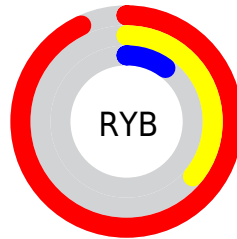
The XYZ color **38.0308, 23.4206, 3.4935** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **33.8398, 42.3552, 87.2801**, and the grayscale version is **17.5681, 18.4830, 20.1280**.

A 20% lighter version of the original color is **51.0027, 38.5851, 11.9673**, and **17.2336, 8.8842, 0.8065** is the 20% darker color. If you saturate the color by 10%, you get **36.7760, 21.1904, 2.2151**, and if you desaturate by 10%, it is **39.8513, 26.4460, 5.9995**.

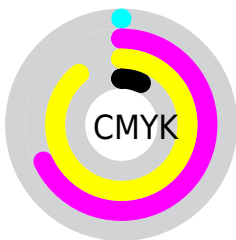
Distribution



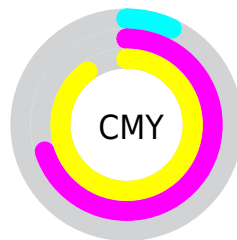
- Red (93%)
- Green (30%)
- Blue (10%)



- Red (93%)
- Yellow (36%)
- Blue (10%)



- Cyan (0%)
- Magenta (68%)
- Yellow (89%)
- Black (7%)





- Cyan (7%)
- Magenta (70%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0308, 23.4206, 3.4935 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 38.0308, 23.4206, 3.4935 by changing the saturation by 10% instead.

 38.0308, 23.4206,
3.4935


 38.0308, 23.4206,
3.4935

329.0306,
269.8780, 142.4173


 26.1839, 14.9044,
1.3518

 71.4589, 49.0830,
12.8237


 17.0947, 8.7523,
0.1037


 93.7709, 66.9980,
20.8492


 10.3977, 4.5800,
0.0000


 120.3019, 88.8148,
31.6732

 5.7277, 2.0030,
0.0000

 151.4174,
114.9176, 45.7140

 2.7193, 0.6092,
0.0000

 187.4827,
145.6910, 63.3903


 1.0071, 0.0000,
0.0000


 228.8630,


 0.0000, 0.0000,


181.5192, 85.1206


0.0000


 275.9239,
222.7867, 111.3234


 38.0308, 23.4206,
3.4935


 38.0308, 23.4206,
3.4935


 36.7760, 21.1904,
2.2151


 39.8513, 26.4460,
5.9995

 36.6807, 21.0192,
2.1238


 42.3188, 30.3390,
10.0341


 45.4945, 35.1644,
15.7975


 49.4318, 40.9795,
23.4588

 54.1783, 47.8367,
33.1668

 59.7776, 55.7845,
45.0556

 66.2703, 64.8684,
59.2476

 73.6941, 75.1312,
75.8562

 82.0844, 86.6135,
94.9872

Harmonies

Analogous

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



45.1866, 23.4206, 14.3054



38.0308, 23.4206, 3.4935



27.4518, 23.4206, 0.9682

Triad

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



38.0308, 23.4206, 3.4935



8.8187, 23.4206, 14.0130



27.2783, 23.4206, 117.7952

Complementary

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



38.0308, 23.4206, 3.4935



33.8398, 42.3552, 87.2801

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.



17.7689, 23.4206, 117.4738



38.0308, 23.4206, 3.4935



8.7969, 23.4206, 41.3967

Square

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



38.0308, 23.4206, 3.4935



11.6646, 23.4206, 3.4100



11.5928, 23.4206, 83.4244



37.8729, 23.4206, 84.1247

Rectangle

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



38.0308, 23.4206, 3.4935



20.7710, 23.4206, 0.7799



11.5928, 23.4206, 83.4244



23.8197, 23.4206, 122.1609

Sweetspot

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



38.0313, 23.4220, 3.4939



71.3313, 67.2364, 55.7564



44.7638, 22.5698, 49.8760



14.7477, 13.6588, 10.8118



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.



38.0313, 23.4220, 3.4939



42.8639, 24.5077, 2.4713



52.0651, 51.4895, 8.1718



16.0754, 16.3640, 16.4610



20.5467, 11.8914, 1.2123



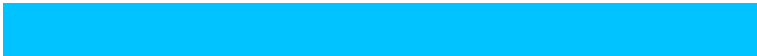
1.7834, 1.1375, 0.1256

Inverse Universe

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



33.8398, 42.3552, 87.2801



37.5309, 46.1819, 101.5436



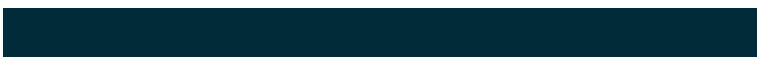
18.9164, 12.5082, 82.3056



15.9129, 17.2600, 20.2144



18.0304, 22.2850, 48.4790



1.5753, 2.0046, 4.0581

Previews

White Background



This preview shows how the XYZ color 38.0308, 23.4206, 3.4935 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 38.0308, 23.4206, 3.4935 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 38.0308, 23.4206, 3.4935

Background



This preview shows how black text looks on a background with the XYZ color 38.0308, 23.4206, 3.4935.



This preview shows how white text looks on a background with the XYZ color 38.0308, 23.4206,

3.4935.

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

38.0308, 23.4206, 3.4935

Protanopia

21.4858, 23.6874, 5.4472

Deuteranopia

23.7378, 23.5036, 3.2855



Tritanopia

39.1198, 23.3652, 9.1047

Trichromacy



Original Color

38.0308, 23.4206, 3.4935

Protanomaly

25.4999, 21.8767, 4.4687

Deuteranomaly

27.4042, 22.0823, 3.0764

Tritanomaly

38.7177, 23.4112, 6.3491

Monochromacy



Original Color

38.0308, 23.4206, 3.4935

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.3902, 18.0378, 10.9486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0308, 23.4206, 3.4935 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(238, 76, 26)` looks like.

```
.text, #text, p{  
    color:rgb(238, 76, 26)  
}
```

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(238, 76, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 76, 26) }
```

Border

The CSS property to change the border of an element to XYZ 38.0308, 23.4206, 3.4935 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(238, 76, 26) }
```


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

```
.border{ border-color:rgb(238, 76, 26) }
```

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

Here you see how a box with a 4 pixel rgb(238, 76, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 76, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 76, 26);  
box-shadow:4px 4px 4px 4px rgb(238, 76,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0308, 23.4206, 3.4935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 76, 26) }
```

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

```
.background{ background-color: rgb(238, 76,  
26) }
```

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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