

Converting Colors

XYZ(38.7029, 25.3270, 5.2316)

Have a look what the booklet for
XYZ(38.7029, 25.3270, 5.2316)
contains.

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Color

**XYZ(38.7029, 25.3270,
5.2316)**

Conversions

Conversions Part 1

Format	Color
Hex	EC5A2C
RGB	236, 90, 44
RGB Percent	93%, 35%, 17%
CMY	0.0745, 0.6470, 0.8274
CMYK	0.00, 0.62, 0.81, 0.07
HSL	14°, 83%, 55%
HSV	14°, 81%, 93%
XYZ	38.7029, 25.3270, 5.2316
YIQ	128.4100, 101.7820, 16.6460

Conversions

Conversions Part 2

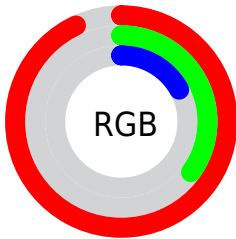
Format	Color
RYB	236, 104, 44
Decimal	15489580
CIELab	57.39, 54.25, 53.83
CIElCh	57, 76.426, 44.776
Yxy	25.3270, 0.5588, 0.3657
Android (android.graphics.Color)	4293679660 (0xFFEC5A2C)
YUV	128.4100, -41.6141, 94.3564
Hunter-Lab	50.3259, 49.2041, 29.0647

Details

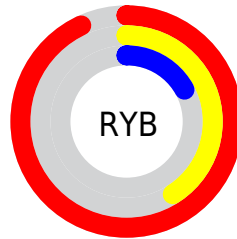
The XYZ color **38.7029, 25.3270, 5.2316** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **34.5908, 43.4151, 85.9133**, and the grayscale version is **20.7769, 21.8589, 23.8043**.

A 20% lighter version of the original color is **53.3858, 42.3190, 15.9443**, and **17.5032, 9.7506, 0.9595** is the 20% darker color. If you saturate the color by 10%, you get **37.0433, 22.5277, 3.0766**, and if you desaturate by 10%, it is **40.9808, 28.9606, 8.8353**.

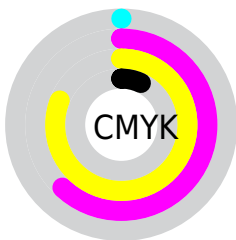
Distribution



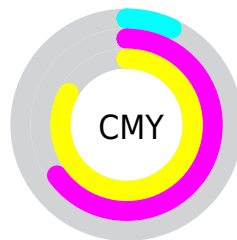
- Red (93%)
- Green (35%)
- Blue (17%)



- Red (93%)
- Yellow (41%)
- Blue (17%)



- Cyan (0%)
- Magenta (62%)
- Yellow (81%)
- Black (7%)





- Cyan (7%)
- Magenta (65%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7029, 25.3270, 5.2316 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 38.7029, 25.3270, 5.2316 by changing the saturation by 10% instead.


 38.7029, 25.3270,
5.2316


 38.7029, 25.3270,
5.2316


331.8546,
279.4625, 161.0634

 26.7084, 16.3208,
2.3227


 72.4812, 52.1872,
16.7631


 17.4898, 9.7515,
0.7439


 94.9957, 70.8101,
26.2227

 10.6818, 5.2345,
0.0000


 121.7475, 93.4073,
38.7031

 5.9190, 2.3855,
0.0000

 153.1021,
120.3633, 54.6226

 2.8361, 0.8184,
0.0000

 189.4247,
152.0624, 74.3998

 1.0677, 0.0000,
0.0000

 231.0808,

 0.0000, 0.0000,

188.8890, 98.4533

0.0000

278.4357,
231.2276, 127.2017

■ 38.7029, 25.3270,
5.2316

■ 38.7029, 25.3270,
5.2316

■ 37.0433, 22.5277,
3.0766

■ 40.9808, 28.9606,
8.8353


■ 36.0329, 20.7148,
2.0992


■ 43.9368, 33.4874,
14.0911


■ 47.6245, 38.9651,
21.1707


■ 52.0915, 45.4455,
30.2237

■ 57.3810, 52.9763,
41.3841

 63.5330, 61.6020,
54.7742

 70.5848, 71.3648,
70.5068

 78.5713, 82.3043,
88.6871

 87.2993, 94.3677,
108.2214

Harmonies

Analogous

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



45.1903, 25.3270, 16.6952



38.7029, 25.3270, 5.2316



28.9507, 25.3270, 2.0028

Triad

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



38.7029, 25.3270, 5.2316



10.8572, 25.3270, 16.4270



28.8022, 25.3270, 109.5995

Complementary

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



38.7029, 25.3270, 5.2316



34.5908, 43.4151, 85.9133

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.



19.7757, 25.3270, 109.3463



38.7029, 25.3270, 5.2316



10.8365, 25.3270, 42.3845

Square

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



38.7029, 25.3270, 5.2316



13.7564, 25.3270, 5.1410



13.6901, 25.3270, 79.8650



38.5708, 25.3270, 80.4269

Rectangle

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



38.7029, 25.3270, 5.2316



22.6488, 25.3270, 1.7402



13.6901, 25.3270, 79.8650



25.5547, 25.3270, 113.3523

Sweetspot

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



38.7035, 25.3285, 5.2320



73.6246, 70.4849, 60.6458



44.9186, 23.4047, 51.5557



15.1934, 14.2945, 11.7488



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.



38.7035, 25.3285, 5.2320



43.1572, 25.0497, 2.7069



52.3537, 52.6289, 9.7821



15.3585, 15.6400, 15.7281



19.9457, 11.5856, 1.1850



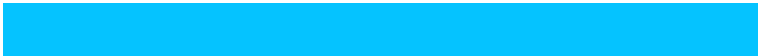
1.6391, 1.0554, 0.1173

Inverse Universe

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



34.5908, 43.4151, 85.9133



37.6554, 46.3360, 101.5668



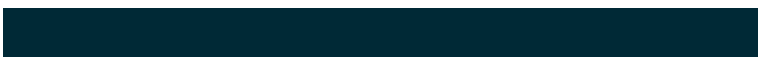
20.2894, 14.8123, 81.1462



15.1941, 16.4746, 19.3014



17.3863, 21.4195, 46.9610



1.4386, 1.8286, 3.7120

Previews

White Background



This preview shows how the XYZ color 38.7029, 25.3270, 5.2316 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 38.7029, 25.3270, 5.2316 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 38.7029, 25.3270, 5.2316

Background



This preview shows how black text looks on a background with the XYZ color 38.7029, 25.3270, 5.2316.



This preview shows how white text looks on a background with the XYZ color 38.7029, 25.3270,

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

38.7029, 25.3270, 5.2316

Protanopia

23.1534, 25.3424, 7.5421

Deuteranopia

25.8062, 25.3250, 4.7564



Tritanopia

40.3539, 25.4123, 12.4510

Trichromacy



Original Color

38.7029, 25.3270, 5.2316

Protanomaly

27.2244, 24.1130, 6.4682

Deuteranomaly

29.5747, 24.4824, 4.7569

Tritanomaly

39.5358, 25.3020, 9.1033

Monochromacy



Original Color

38.7029, 25.3270, 5.2316

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.1113, 21.1132, 14.1137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7029, 25.3270, 5.2316 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, 90, 44)` looks like.

```
.text, #text, p{  
    color:rgb(236, 90, 44)  
}
```

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, 90, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 90, 44) }
```

Border

The CSS property to change the border of an element to XYZ 38.7029, 25.3270, 5.2316 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, 90, 44) }
```


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

```
.border{ border-color:rgb(236, 90, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 90, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 90, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 90, 44);  
box-shadow:4px 4px 4px 4px rgb(236, 90,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7029, 25.3270, 5.2316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 90, 44) }
```

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

```
.background{ background-color: rgb(236, 90,  
44) }
```

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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