

Converting Colors

XYZ(38.4953, 24.5427, 6.3754)

Have a look what the booklet for
XYZ(38.4953, 24.5427, 6.3754)
contains.

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Color

**XYZ(38.5302, 24.6057,
6.3330)**

Conversions

Conversions Part 1

Format	Color
Hex	EC5537
RGB	236, 85, 55
RGB Percent	93%, 33%, 22%
CMY	0.0745, 0.6666, 0.7843
CMYK	0.00, 0.64, 0.77, 0.07
HSL	10°, 83%, 57%
HSV	10°, 77%, 93%
XYZ	38.5302, 24.6057, 6.3330
YIQ	126.7290, 99.6260, 22.6820

Conversions

Conversions Part 2

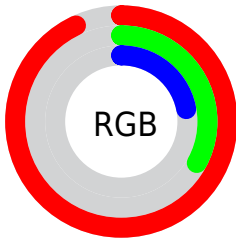
Format	Color
R_{YB}	236, 91, 55
Decimal	15488311
CIE _{Lab}	56.69, 56.73, 47.84
CIE _{LCh}	57, 74.208, 40.137
Yxy	24.6057, 0.5546, 0.3542
Android (android.graphics.Color)	4293678391 (0xFFEC5537)
YUV	126.7290, -35.3624, 95.8307
Hunter-Lab	49.6041, 51.8433, 27.1533

Details

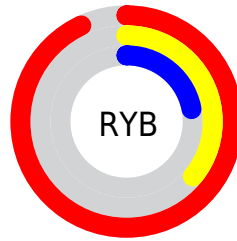
The XYZ color **38.5302, 24.6057, 6.3330** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **38.7849, 51.0065, 87.1575**, and the grayscale version is **20.1744, 21.2251, 23.1141**.

A 20% lighter version of the original color is **53.2636, 41.3092, 18.2629**, and **17.3385, 9.3598, 1.0938** is the 20% darker color. If you saturate the color by 10%, you get **36.7534, 21.7515, 3.5855**, and if you desaturate by 10%, it is **41.0094, 28.4330, 10.6479**.

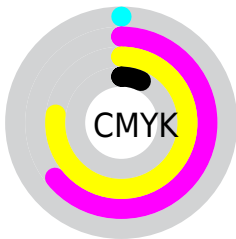
Distribution



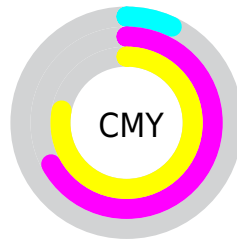
- Red (93%)
- Green (33%)
- Blue (22%)



- Red (93%)
- Yellow (36%)
- Blue (22%)



- Cyan (0%)
- Magenta (64%)
- Yellow (77%)
- Black (7%)





- Cyan (7%)
- Magenta (67%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5302, 24.6057, 6.3330 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 38.5302, 24.6057, 6.3330 by changing the saturation by 10% instead.


 38.5302, 24.6057,
6.3330


 38.5302, 24.6057,
6.3330


331.1306,
275.8686, 171.4153


 26.5735, 15.7835,
2.9766


 72.2187, 51.0168,
19.1077


 17.3881, 9.3711,
1.0827


 94.6813, 69.3746,
29.3631

 10.6086, 4.9840,
0.0000


 121.3766, 91.6796,
42.7552

 5.8697, 2.2379,
0.0000

 152.6699,
118.3164, 59.7025

 2.8059, 0.7405,
0.0000

 188.9266,
149.6693, 80.6237

 1.0520, 0.0000,
0.0000

 230.5121,

 0.0000, 0.0000,

186.1227, 105.9371

0.0000

277.7916,
228.0610, 136.0615

■ 38.5302, 24.6057,
6.3330

■ 38.5302, 24.6057,
6.3330

■ 36.7534, 21.7515,
3.5855

■ 41.0094, 28.4330,
10.6479

■ 35.5974, 19.7755,
2.1649


■ 44.2560, 33.3078,
16.7191


■ 35.3216, 19.2922,
1.8621


■ 48.3290, 39.3021,
24.7101


■ 53.2810, 46.4800,
34.7651

■ 59.1603, 54.9010,
47.0143

 66.0115, 64.6203,
61.5774

 73.8763, 75.6898,
78.5653

 82.7940, 88.1588,
98.0818

 88.4019, 96.5728,
108.5889

Harmonies

Analogous

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



43.8553, 24.6057, 19.2577



38.5302, 24.6057, 6.3330



29.4996, 24.6057, 2.3309

Triad

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



38.5302, 24.6057, 6.3330



10.9811, 24.6057, 13.6565



26.4354, 24.6057, 106.2516

Complementary

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



38.5302, 24.6057, 6.3330



38.7849, 51.0065, 87.1575

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.



18.1831, 24.6057, 101.1049



38.5302, 24.6057, 6.3330



10.5464, 24.6057, 36.0711

Square

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



38.5302, 24.6057, 6.3330



14.2273, 24.6057, 4.3927



12.8444, 24.6057, 70.6692



35.8176, 24.6057, 82.1300

Rectangle

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



38.5302, 24.6057, 6.3330



23.3472, 24.6057, 1.8180



12.8444, 24.6057, 70.6692



23.4268, 24.6057, 108.1236

Sweetspot

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



38.5307, 24.6071, 6.3334



73.3328, 69.4397, 61.9718



47.4481, 25.1612, 62.5799



15.0915, 14.0026, 11.9868



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.



38.5307, 24.6071, 6.3334



42.9491, 24.4703, 3.1402



50.1580, 47.8617, 10.2091



15.2672, 15.4575, 15.6976



19.5325, 10.7592, 1.0473



1.5936, 0.9646, 0.1022

Inverse Universe

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



38.7849, 51.0065, 87.1575



42.9293, 56.5382, 103.2581



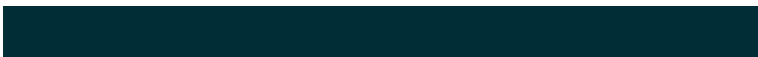
23.2356, 19.9079, 81.9744



15.2928, 16.6720, 19.3342



19.4175, 25.4820, 47.6381



1.5812, 2.1139, 3.7596

Previews

White Background



This preview shows how the XYZ color 38.5302, 24.6057, 6.3330 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 38.5302, 24.6057, 6.3330 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 38.5302, 24.6057, 6.3330

Background



This preview shows how black text looks on a background with the XYZ color 38.5302, 24.6057, 6.3330.



This preview shows how white text looks on a background with the XYZ color 38.5302, 24.6057,

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

38.5302, 24.6057, 6.3330

Protanopia

22.8136, 24.9128, 9.4006

Deuteranopia

25.2318, 24.8050, 5.8409



Tritanopia

39.5472, 24.5613, 11.4605

Trichromacy



Original Color

38.5302, 24.6057, 6.3330

Protanomaly

26.7240, 23.2836, 8.0867

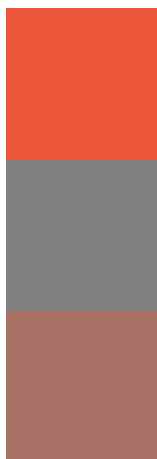
Deuteranomaly

29.0565, 23.8501, 5.8684

Tritanomaly

39.2123, 24.5471, 9.3280

Monochromacy



Original Color

38.5302, 24.6057, 6.3330

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

24.0795, 20.7434, 15.0467

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5302, 24.6057, 6.3330 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, 85, 55)` looks like.

```
.text, #text, p{  
    color:rgb(236, 85, 55)  
}
```

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, 85, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 85, 55) }
```

Border

The CSS property to change the border of an element to XYZ 38.5302, 24.6057, 6.3330 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, 85, 55) }
```


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

```
.border{ border-color:rgb(236, 85, 55) }
```

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

Here you see how a box with a 4 pixel rgb(236, 85, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 85, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 85, 55);  
box-shadow:4px 4px 4px 4px rgb(236, 85,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5302, 24.6057, 6.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 85, 55) }
```

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

```
.background{ background-color: rgb(236, 85,  
55) }
```

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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