

Converting Colors

XYZ(38.5931, 24.6785, 6.8950)

Have a look what the booklet for
XYZ(38.5931, 24.6785, 6.8950)
contains.

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Color

**XYZ(38.6300, 24.6456,
6.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	EC553B
RGB	236, 85, 59
RGB Percent	93%, 33%, 23%
CMY	0.0745, 0.6666, 0.7686
CMYK	0.00, 0.64, 0.75, 0.07
HSL	9°, 82%, 58%
HSV	9°, 75%, 93%
XYZ	38.6300, 24.6456, 6.8587
YIQ	127.1850, 98.3420, 23.9260

Conversions

Conversions Part 2

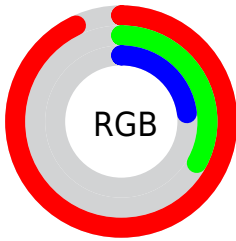
Format	Color
R_{YB}	236, 89, 59
Decimal	15488315
CIE Lab	56.73, 56.88, 45.82
CIE LCh	57, 73.039, 38.850
Yxy	24.6456, 0.5508, 0.3514
Android (android.graphics.Color)	4293678395 (0xFFEC553B)
YUV	127.1850, -33.6152, 95.4308
Hunter-Lab	49.6443, 52.0195, 26.5597

Details

The XYZ color **38.6300, 24.6456, 6.8587** 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 **39.9883, 53.0746, 87.4932**, and the grayscale version is **20.3258, 21.3843, 23.2875**.

A 20% lighter version of the original color is **53.4717, 41.3925, 19.3586**, and **17.3478, 9.3335, 1.2350** is the 20% darker color. If you saturate the color by 10%, you get **36.7845, 21.7230, 3.8757**, and if you desaturate by 10%, it is **41.2038, 28.5832, 11.4485**.

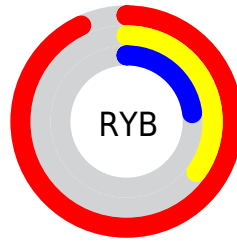
Distribution



Red (93%)

Green (33%)

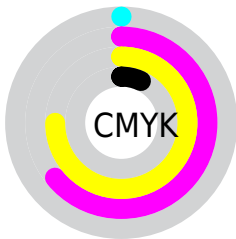
Blue (23%)



Red (93%)

Yellow (35%)

Blue (23%)

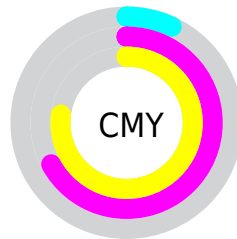


Cyan (0%)

Magenta (64%)

Yellow (75%)

Black (7%)



Cyan (7%)


Magenta (67%)


Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6300, 24.6456, 6.8587 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 38.6300, 24.6456, 6.8587 by changing the saturation by 10% instead.


 38.6300, 24.6456,
6.8587


 38.6300, 24.6456,
6.8587


331.5492,
276.0684, 176.0705


 26.6514, 15.8132,
3.2968


 72.3704, 51.0817,
20.1964


 17.4468, 9.3921,
1.2481


 94.8630, 69.4542,
30.8092

 10.6509, 4.9978,
0.0187


 121.5910, 91.7755,
44.6095

 5.8981, 2.2460,
0.0000

 152.9197,
118.4301, 62.0157

 2.8233, 0.7449,
0.0000

 189.2145,
149.8022, 83.4463

 1.0610, 0.0000,
0.0000

 230.8408,

 0.0000, 0.0000,

186.2764, 109.3200

0.0000

278.1639,
228.2370, 140.0552

■ 38.6300, 24.6456,
6.8587

■ 38.6300, 24.6456,
6.8587

■ 36.7845, 21.7230,
3.8757

■ 41.2038, 28.5832,
11.4485

■ 35.5857, 19.7162,
2.2715


■ 44.5722, 33.6142,
17.8295


■ 35.1835, 19.0160,
1.8161


■ 48.7953, 39.8142,
26.1621


■ 53.9272, 47.2507,
36.5888

■ 60.0172, 55.9860,
49.2384

 67.1112, 66.0784,
64.2296

 75.2521, 77.5824,
81.6723

 84.4802, 90.5496,
101.6699

 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.



43.6137, 24.6456, 20.2477



38.6300, 24.6456, 6.8587



29.8431, 24.6456, 2.5572

Triad

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



38.6300, 24.6456, 6.8587



11.2323, 24.6456, 13.2225



26.0353, 24.6456, 104.9517

Complementary

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



38.6300, 24.6456, 6.8587



39.9883, 53.0746, 87.4932

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.



18.0000, 24.6456, 98.6282



38.6300, 24.6456, 6.8587



10.6852, 24.6456, 34.7151

Square

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



38.6300, 24.6456, 6.8587



14.5821, 24.6456, 4.3769



12.8473, 24.6456, 68.3061



35.2699, 24.6456, 82.4249

Rectangle

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



38.6300, 24.6456, 6.8587



23.7550, 24.6456, 1.9548



12.8473, 24.6456, 68.3061



23.0979, 24.6456, 106.3201

Sweetspot

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



38.6306, 24.6470, 6.8591



73.8848, 70.0741, 63.6035



48.0900, 25.7344, 64.9846



15.3460, 14.3306, 12.6295



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.



38.6306, 24.6470, 6.8591



42.9964, 24.4833, 3.4078



49.9631, 47.3121, 10.6366



15.2441, 15.4111, 15.6899



19.4507, 10.5956, 1.0200



1.5827, 0.9427, 0.0985

Inverse Universe

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



39.9883, 53.0746, 87.4932



44.3929, 59.2923, 103.7125



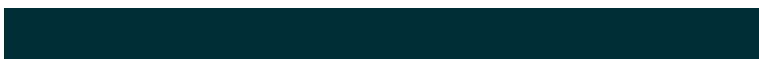
24.1391, 21.3763, 82.2102



15.3181, 16.7226, 19.3427



19.9750, 26.5970, 47.8239



1.6199, 2.1913, 3.7725

Previews

White Background



This preview shows how the XYZ color 38.6300, 24.6456, 6.8587 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 38.6300, 24.6456, 6.8587 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 38.6300, 24.6456, 6.8587

Background



This preview shows how black text looks on a background with the XYZ color 38.6300, 24.6456, 6.8587.



This preview shows how white text looks on a background with the XYZ color 38.6300, 24.6456,

6.8587.

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

38.6300, 24.6456, 6.8587

Protanopia

22.7933, 24.8834, 10.2582

Deuteranopia

25.1146, 24.7331, 6.3560



Tritanopia

39.6221, 24.7110, 11.4855

Trichromacy



Original Color

38.6300, 24.6456, 6.8587

Protanomaly

26.6087, 23.2103, 8.7078

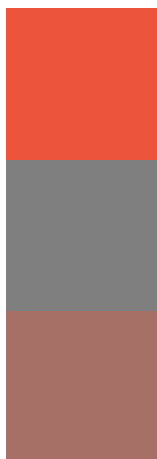
Deuteranomaly

28.9081, 23.7610, 6.4309

Tritanomaly

39.3228, 24.7128, 9.5350

Monochromacy



Original Color

38.6300, 24.6456, 6.8587

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

24.1288, 20.7631, 15.3063

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6300, 24.6456, 6.8587 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(236, 85, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 85, 59) }
```

Border

The CSS property to change the border of an element to XYZ 38.6300, 24.6456, 6.8587 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, 59) }
```


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

```
.border{ border-color:rgb(236, 85, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 85, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 85, 59);  
box-shadow:4px 4px 4px 4px rgb(236, 85,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6300, 24.6456, 6.8587 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, 59) }
```

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

```
.background{ background-color: rgb(236, 85,  
59) }
```

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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