

Converting Colors

XYZ(38.5813, 24.1749, 6.3741)

Have a look what the booklet for
XYZ(38.5813, 24.1749, 6.3741)
contains.

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Color

**XYZ(38.5813, 24.1749,
6.3741)**

Conversions

Conversions Part 1

Format	Color
Hex	ED5138
RGB	237, 81, 56
RGB Percent	93%, 32%, 22%
CMY	0.0706, 0.6823, 0.7804
CMYK	0.00, 0.66, 0.76, 0.07
HSL	8°, 83%, 57%
HSV	8°, 76%, 93%
XYZ	38.5813, 24.1749, 6.3741
YIQ	124.7940, 101.0010, 25.2970

Conversions

Conversions Part 2

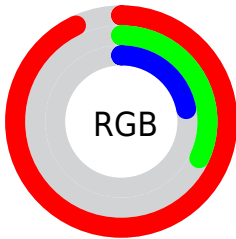
Format	Color
R_{YB}	237, 85, 56
Decimal	15552824
CIE _{Lab}	56.26, 58.73, 46.93
CIE _{LCh}	56, 75.183, 38.627
Yxy	24.1749, 0.5581, 0.3497
Android (android.graphics.Color)	4293742904 (0xFFED5138)
YUV	124.7940, -33.9154, 98.4047
Hunter-Lab	49.1680, 54.0220, 26.7313

Details

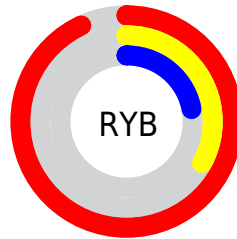
The XYZ color **38.5813, 24.1749, 6.3741** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **40.4579, 54.0371, 88.4181**, and the grayscale version is **19.5115, 20.5277, 22.3546**.

A 20% lighter version of the original color is **52.7355, 40.1712, 18.3390**, and **17.4026, 9.1433, 1.1061** is the 20% darker color. If you saturate the color by 10%, you get **36.8363, 21.4037, 3.5779**, and if you desaturate by 10%, it is **41.0578, 27.9713, 10.7666**.

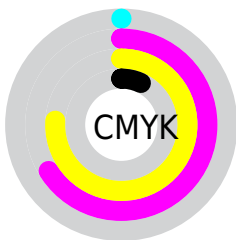
Distribution



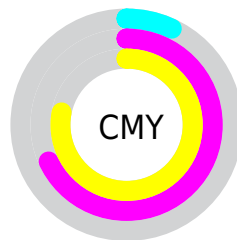
- Red (93%)
- Green (32%)
- Blue (22%)



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



- Cyan (0%)
- Magenta (66%)
- Yellow (76%)
- Black (7%)





- Cyan (7%)
- Magenta (68%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5813, 24.1749, 6.3741 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 38.5813, 24.1749, 6.3741 by changing the saturation by 10% instead.


 38.5813, 24.1749,
6.3741


 38.5813, 24.1749,
6.3741


331.3450,
273.7035, 171.7853


 26.6134, 15.4634,
3.0014


 72.2964, 50.3155,
19.1935


 17.4182, 9.1453,
1.0954


 94.7744, 68.5133,
29.4773

 10.6302, 4.8361,
0.0000


 121.4864, 90.6421,
42.9018

 5.8842, 2.1514,
0.0000

 152.7978,
117.0862, 59.8857

 2.8148, 0.6933,
0.0000

 189.0741,
148.2300, 80.8475

 1.0566, 0.0000,
0.0000

 230.6804,

 0.0000, 0.0000,

184.4579, 106.2056

0.0000

277.9823,
226.1543, 136.3787

■ 38.5813, 24.1749,
6.3741

■ 38.5813, 24.1749,
6.3741

■ 36.8363, 21.4037,
3.5779

■ 41.0578, 27.9713,
10.7666

■ 35.7361, 19.5516,
2.1373


■ 44.3356, 32.8766,
16.9467


■ 35.4617, 19.0781,
1.8134


■ 48.4777, 38.9705,
25.0800


■ 53.5405, 46.3242,
35.3128

■ 59.5753, 55.0031,
47.7774

 66.6298, 65.0684,
62.5950

 74.7483, 76.5771,
79.8784

 83.9728, 89.5832,
99.7328

 88.7348, 96.7444,
108.6045

Harmonies

Analogous

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



43.6661, 24.1749, 19.8019



38.5813, 24.1749, 6.3741



29.5903, 24.1749, 2.2127

Triad

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



38.5813, 24.1749, 6.3741



10.7049, 24.1749, 12.4954



25.5649, 24.1749, 107.1334

Complementary

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



38.5813, 24.1749, 6.3741



40.4579, 54.0371, 88.4181

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.



17.4315, 24.1749, 100.3044



38.5813, 24.1749, 6.3741



10.1406, 24.1749, 34.1369

Square

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



38.5813, 24.1749, 6.3741



14.0773, 24.1749, 3.8873



12.2760, 24.1749, 68.6818



35.0079, 24.1749, 83.8568

Rectangle

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



38.5813, 24.1749, 6.3741



23.3785, 24.1749, 1.6437



12.2760, 24.1749, 68.6818



22.5812, 24.1749, 108.4785

Sweetspot

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



38.5818, 24.1763, 6.3745



72.9446, 68.6633, 61.8424



48.3323, 25.6301, 65.2615



15.0001, 13.8198, 11.9563



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.



38.5818, 24.1763, 6.3745



42.6346, 23.8414, 3.0354



50.1324, 47.2774, 10.2247



15.2333, 15.3896, 15.6863



19.4158, 10.5258, 1.0084



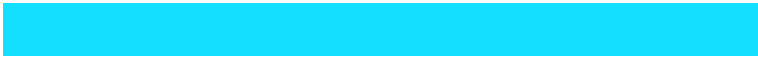
1.5776, 0.9325, 0.0968

Inverse Universe

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



40.4579, 54.0371, 88.4181



44.6234, 59.9264, 103.8228



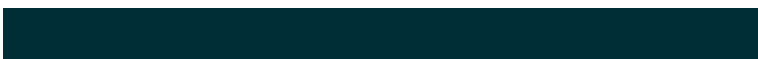
23.9216, 20.9645, 82.9060



15.3299, 16.7463, 19.3466



20.2397, 27.1264, 47.9121



1.6382, 2.2279, 3.7786

Previews

White Background



This preview shows how the XYZ color 38.5813, 24.1749, 6.3741 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 38.5813, 24.1749, 6.3741 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 38.5813, 24.1749, 6.3741

Background



This preview shows how black text looks on a background with the XYZ color 38.5813, 24.1749, 6.3741.



This preview shows how white text looks on a background with the XYZ color 38.5813, 24.1749,

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

38.5813, 24.1749, 6.3741

Protanopia

22.2610, 24.1985, 9.8008

Deuteranopia

24.6861, 24.3250, 5.8767



Tritanopia

39.5073, 24.2351, 10.5782

Trichromacy



Original Color

38.5813, 24.1749, 6.3741

Protanomaly

26.1999, 22.4905, 8.2704

Deuteranomaly

28.5967, 23.2794, 5.8919

Tritanomaly

39.2585, 24.2501, 8.9149

Monochromacy



Original Color

38.5813, 24.1749, 6.3741

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.4948, 19.9644, 14.6718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5813, 24.1749, 6.3741 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(237, 81, 56)` looks like.

```
.text, #text, p{  
    color:rgb(237, 81, 56)  
}
```

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(237, 81, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 81, 56) }
```

Border

The CSS property to change the border of an element to XYZ 38.5813, 24.1749, 6.3741 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(237, 81, 56) }
```


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

```
.border{ border-color:rgb(237, 81, 56) }
```

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

Here you see how a box with a 4 pixel rgb(237, 81, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 81, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 81, 56);  
box-shadow:4px 4px 4px 4px rgb(237, 81,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5813, 24.1749, 6.3741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 81, 56) }
```

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

```
.background{ background-color: rgb(237, 81,  
56) }
```

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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