

Converting Colors

XYZ(34.8140, 23.0717, 3.8337)

Have a look what the booklet for
XYZ(34.8140, 23.0717, 3.8337)
contains.

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Color

**XYZ(34.7754, 23.0807,
3.8505)**

Conversions

Conversions Part 1

Format	Color
Hex	E1581E
RGB	225, 88, 30
RGB Percent	88%, 35%, 12%
CMY	0.1177, 0.6549, 0.8823
CMYK	0.00, 0.61, 0.87, 0.12
HSL	18°, 76%, 50%
HSV	18°, 87%, 88%
XYZ	34.7754, 23.0807, 3.8505
YIQ	122.3510, 100.2700, 11.0060

Conversions

Conversions Part 2

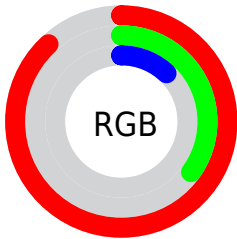
Format	Color
R _Y B	225, 113, 30
Decimal	14768158
CIE Lab	55.16, 50.91, 57.03
CIE LCh	55, 76.451, 48.247
Yxy	23.0807, 0.5636, 0.3740
Android (android.graphics.Color)	4292958238 (0xFFE1581E)
YUV	122.3510, -45.5290, 90.0232
Hunter-Lab	48.0424, 45.1328, 28.8777

Details

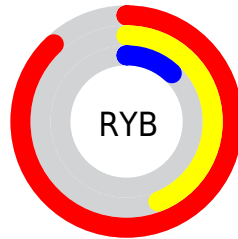
The XYZ color **34.7754, 23.0807, 3.8505** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **27.9436, 33.3473, 76.1975**, and the grayscale version is **18.7360, 19.7117, 21.4660**.

A 20% lighter version of the original color is **52.3982, 41.2001, 12.9753**, and **15.3903, 8.6614, 0.8607** is the 20% darker color. If you saturate the color by 10%, you get **33.4226, 20.6847, 2.4464**, and if you desaturate by 10%, it is **36.6141, 26.1234, 6.4211**.

Distribution



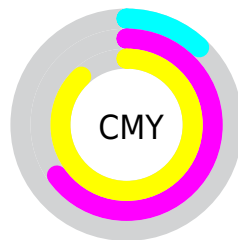
- Red (88%)
- Green (35%)
- Blue (12%)



- Red (88%)
- Yellow (44%)
- Blue (12%)



- Cyan (0%)
- Magenta (61%)
- Yellow (87%)
- Black (12%)





- Cyan (12%)
- Magenta (65%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7754, 23.0807, 3.8505 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 34.7754, 23.0807, 3.8505 by changing the saturation by 10% instead.

 34.7754, 23.0807,
3.8505


 34.7754, 23.0807,
3.8505


315.1013,
268.1392, 146.5489


 23.6556, 14.6531,
1.5437


 66.4740, 48.5258,
13.6635


 15.2017, 8.5763,
0.2502


 87.7835, 66.3121,
22.0067


 9.0483, 4.4659,
0.0000


 113.2203, 87.9868,
33.1992

 4.8301, 1.9374,
0.0000

 143.1498,
113.9342, 47.6594

 2.1816, 0.5707,
0.0000

 177.9373,
144.5387, 65.8060

 0.7330, 0.0000,
0.0000

 217.9481,

 0.0000, 0.0000,

180.1848, 88.0574

0.0000

263.5476,
221.2569, 114.8322

34.7754, 23.0807,
3.8505

34.7754, 23.0807,
3.8505

33.4226, 20.6847,
2.4464

36.6141, 26.1234,
6.4211

33.0541, 20.0135,
2.1208

38.9923, 29.8577,
10.3651

41.9563, 34.3278,
15.8471

45.5460, 39.5728,
23.0079

49.7980, 45.6287,
31.9720

■ 54.7453, 52.5291,
42.8522

■ 60.4191, 60.3058,
55.7519

■ 66.8483, 68.9887,
70.7671

■ 74.0601, 78.6064,
87.9876

Harmonies

Analogous

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



41.4967, 23.0807, 13.1037



34.7754, 23.0807, 3.8505



25.4515, 23.0807, 1.4896

Triad

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



34.7754, 23.0807, 3.8505



9.4773, 23.0807, 16.7246



27.4856, 23.0807, 101.3673

Complementary

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



34.7754, 23.0807, 3.8505



27.9436, 33.3473, 76.1975

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.



18.7629, 23.0807, 104.8985



34.7754, 23.0807, 3.8505



9.7548, 23.0807, 42.8993

Square

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



34.7754, 23.0807, 3.8505



11.8338, 23.0807, 5.0319



12.7263, 23.0807, 79.0009



36.5929, 23.0807, 71.1961

Rectangle

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



34.7754, 23.0807, 3.8505



19.6674, 23.0807, 1.4150



12.7263, 23.0807, 79.0009



24.3759, 23.0807, 106.1975

Sweetspot

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



34.7759, 23.0820, 3.8509



73.0517, 70.2391, 57.6808



38.7475, 19.8290, 39.6916



15.1190, 14.3178, 11.1938



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.



34.7759, 23.0820, 3.8509



43.8145, 26.4089, 2.7882



48.1675, 49.8651, 8.3147



14.0379, 14.3618, 14.3390



19.1364, 11.7107, 1.2518



1.4029, 0.9647, 0.1123

Inverse Universe

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



27.9436, 33.3473, 76.1975



34.1992, 39.5184, 100.4331



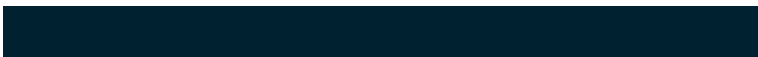
16.4597, 10.3797, 72.3696



13.7543, 14.8478, 17.5287



14.9904, 17.4504, 43.6265



1.1159, 1.3633, 3.0496

Previews

White Background



This preview shows how the XYZ color 34.7754, 23.0807, 3.8505 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 34.7754, 23.0807, 3.8505 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 34.7754, 23.0807, 3.8505

Background



This preview shows how black text looks on a background with the XYZ color 34.7754, 23.0807, 3.8505.



This preview shows how white text looks on a background with the XYZ color 34.7754, 23.0807,

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

34.7754, 23.0807, 3.8505

Protanopia

21.1822, 23.3247, 5.4835

Deuteranopia

23.6093, 23.2465, 3.2427



Tritanopia

36.4161, 23.0536, 11.5473

Trichromacy



Original Color

34.7754, 23.0807, 3.8505

Protanomaly

24.8267, 22.2033, 4.7274

Deuteranomaly

26.8408, 22.4313, 3.2316

Tritanomaly

35.5177, 22.9027, 7.7029

Monochromacy



Original Color

34.7754, 23.0807, 3.8505

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.6772, 19.2441, 12.0232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7754, 23.0807, 3.8505 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(225, 88, 30)` looks like.

```
.text, #text, p{  
    color:rgb(225, 88, 30)  
}
```

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(225, 88, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 88, 30) }
```

Border

The CSS property to change the border of an element to XYZ 34.7754, 23.0807, 3.8505 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(225, 88, 30) }
```


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

```
.border{ border-color:rgb(225, 88, 30) }
```

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

Here you see how a box with a 4 pixel rgb(225, 88, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 88, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 88, 30);  
box-shadow:4px 4px 4px 4px rgb(225, 88,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7754, 23.0807, 3.8505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 88, 30) }
```

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

```
.background{ background-color: rgb(225, 88,  
30) }
```

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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