

Converting Colors

XYZ(38.9539, 23.9751, 9.4120)

Have a look what the booklet for
XYZ(38.9539, 23.9751, 9.4120)
contains.

XYZ(38.9539, 23.9751, 9.4120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.9539, 23.9751,
9.4120)**

Conversions

Conversions Part 1

Format	Color
Hex	ED4E4C
RGB	237, 78, 76
RGB Percent	93%, 31%, 30%
CMY	0.0706, 0.6941, 0.7020
CMYK	0.00, 0.67, 0.68, 0.07
HSL	1°, 82%, 61%
HSV	1°, 68%, 93%
XYZ	38.9539, 23.9751, 9.4120
YIQ	125.3130, 95.4060, 33.0860

Conversions

Conversions Part 2

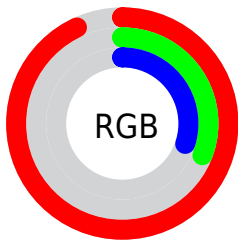
Format	Color
R_{YB}	237, 78, 76
Decimal	15552076
CIE Lab	56.06, 60.78, 35.82
CIE LCh	56, 70.550, 30.508
Yxy	23.9751, 0.5385, 0.3314
Android (android.graphics.Color)	4293742156 (0xFFED4E4C)
YUV	125.3130, -24.3113, 97.9495
Hunter-Lab	48.9644, 56.3191, 22.8783

Details

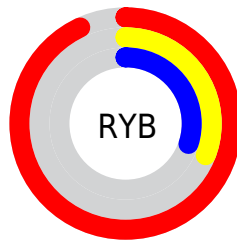
The XYZ color **38.9539, 23.9751, 9.4120** is a dark color, and the websafe version is hex **FF6666**. The color can be described as dark muted red. A complement of this color would be **47.9717, 67.0613, 90.5359**, and the grayscale version is **19.6567, 20.6804, 22.5209**.

A 20% lighter version of the original color is **53.6056, 40.0686, 24.3107**, and **17.7029, 9.0976, 2.1193** is the 20% darker color. If you saturate the color by 10%, you get **36.8990, 20.9502, 5.3834**, and if you desaturate by 10%, it is **41.9046, 28.3068, 15.2359**.

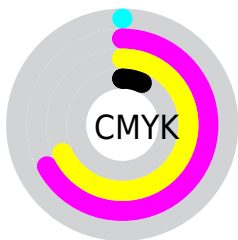
Distribution



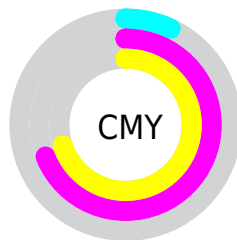
- Red (93%)
- Green (31%)
- Blue (30%)



- Red (93%)
- Yellow (31%)
- Blue (30%)



- Cyan (0%)
- Magenta (67%)
- Yellow (68%)
- Black (7%)





- Cyan (7%)
- Magenta (69%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9539, 23.9751, 9.4120 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 38.9539, 23.9751, 9.4120 by changing the saturation by 10% instead.

 38.9539, 23.9751,
9.4120


 38.9539, 23.9751,
9.4120


332.9050,
272.6946, 196.7522


 26.9044, 15.3152,
4.9104


 72.8624, 49.9896,
25.2738


 17.6377, 9.0409,
2.1370


 95.4522, 68.1129,
37.4711

 10.7883, 4.7678,
0.6376


 122.2860, 90.1594,
53.0707

 5.9909, 2.1117,
0.0000

 153.7294,
116.5136, 72.4911

 2.8802, 0.6712,
0.0000

 190.1477,
147.5598, 96.1509

 1.0907, 0.0000,
0.0000

231.9061,

 0.0173, 0.0000,

183.6824, 124.4687

0.0000

279.3701,
225.2659, 157.8629

■ 0.0000, 0.0000,
0.0000

■ 38.9539, 23.9751,
9.4120

■ 38.9539, 23.9751,
9.4120

■ 36.8990, 20.9502,
5.3834

■ 41.9046, 28.3068,
15.2359

■ 35.6369, 19.0817,
2.9415

■ 45.8357, 34.0659,
23.0301


■ 35.0363, 18.1844,
1.8041


■ 50.8240, 41.3639,
32.9504


■ 34.9569, 18.0686,
1.6452

■ 56.9380, 50.3002,
45.1363

■ 64.2407, 60.9659,
59.7157

 72.7902, 73.4454,
76.8070

 82.6409, 87.8175,
96.5205

 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.



42.1077, 23.9751, 25.7126



38.9539, 23.9751, 9.4120



31.3184, 23.9751, 3.3770

Triad

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



38.9539, 23.9751, 9.4120



11.7682, 23.9751, 9.7621



22.9255, 23.9751, 100.5996

Complementary

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



38.9539, 23.9751, 9.4120



47.9717, 67.0613, 90.5359

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.



15.9664, 23.9751, 87.0944



38.9539, 23.9751, 9.4120



10.5204, 23.9751, 26.5010

Square

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



38.9539, 23.9751, 9.4120



15.7790, 23.9751, 3.4788



11.8570, 23.9751, 55.8126



31.6140, 23.9751, 86.2172

Rectangle

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



38.9539, 23.9751, 9.4120



25.4454, 23.9751, 2.2229



11.8570, 23.9751, 55.8126



20.3217, 23.9751, 99.1147

Sweetspot

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



38.9545, 23.9765, 9.4124



73.8836, 69.1087, 66.5720



52.7952, 29.2877, 82.9906



15.2809, 14.0133, 13.1843



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.



38.9545, 23.9765, 9.4124



42.8091, 23.6124, 4.8758



48.2018, 42.4712, 12.4948



15.0806, 15.0841, 15.6354



19.0923, 9.8789, 0.9005



1.5045, 0.7864, 0.0725

Inverse Universe

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



47.9717, 67.0613, 90.5359



54.1050, 77.6641, 106.7468



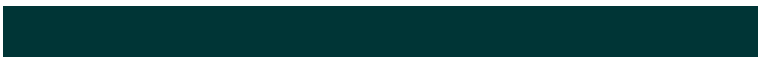
30.2390, 31.5960, 84.6250



15.5006, 17.0877, 19.4035



24.4236, 35.4942, 49.3068



1.9230, 2.7975, 3.8735

Previews

White Background



This preview shows how the XYZ color 38.9539, 23.9751, 9.4120 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 38.9539, 23.9751, 9.4120 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 38.9539, 23.9751, 9.4120

Background



This preview shows how black text looks on a background with the XYZ color 38.9539, 23.9751, 9.4120.



This preview shows how white text looks on a background with the XYZ color 38.9539, 23.9751,

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

38.9539, 23.9751, 9.4120

Protanopia

22.4987, 24.2108, 14.7966

Deuteranopia

24.4582, 23.9506, 8.6440



Tritanopia

39.0641, 23.9064, 10.3401

Trichromacy



Original Color

38.9539, 23.9751, 9.4120

Protanomaly

26.1806, 22.2209, 12.3604

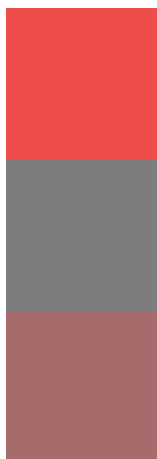
Deuteranomaly

28.4196, 22.8005, 8.6974

Tritanomaly

38.9902, 23.8768, 9.9508

Monochromacy



Original Color

38.9539, 23.9751, 9.4120

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.7423, 19.8937, 16.4984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9539, 23.9751, 9.4120 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, 78, 76)` looks like.

```
.text, #text, p{  
    color:rgb(237, 78, 76)  
}
```

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, 78, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 78, 76) }
```

Border

The CSS property to change the border of an element to XYZ 38.9539, 23.9751, 9.4120 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, 78, 76) }
```


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

```
.border{ border-color:rgb(237, 78, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 78, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 78, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 78, 76);  
box-shadow:4px 4px 4px 4px rgb(237, 78,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9539, 23.9751, 9.4120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 78, 76) }
```

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

```
.background{ background-color: rgb(237, 78,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor