

Converting Colors

XYZ(38.1974, 22.0393, 8.7275)

Have a look what the booklet for
XYZ(38.1974, 22.0393, 8.7275)
contains.

XYZ(38.1647, 22.0090, 8.7152)	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(38.1647, 22.0090,
8.7152)**

Conversions

Conversions Part 1

Format	Color
Hex	EE3D4A
RGB	238, 61, 74
RGB Percent	93%, 24%, 29%
CMY	0.0667, 0.7607, 0.7098
CMYK	0.00, 0.74, 0.69, 0.07
HSL	356°, 84%, 59%
HSV	356°, 74%, 93%
XYZ	38.1647, 22.0090, 8.7152
YIQ	115.4050, 101.3190, 41.5670

Conversions

Conversions Part 2

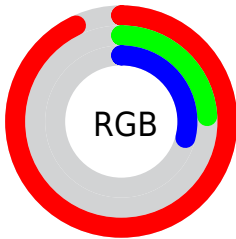
Format	Color
RYB	238, 61, 74
Decimal	15613258
CIELab	54.04, 66.99, 34.56
CIElCh	54, 75.381, 27.289
Yxy	22.0090, 0.5540, 0.3195
Android (android.graphics.Color)	4293803338 (0xFFEE3D4A)
YUV	115.4050, -20.4127, 107.5158
Hunter-Lab	46.9138, 63.1121, 21.8253

Details

The XYZ color **38.1647, 22.0090, 8.7152** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **46.0918, 67.5782, 81.8571**, and the grayscale version is **16.4588, 17.3160, 18.8571**.

A 20% lighter version of the original color is **51.6525, 36.3648, 23.0356**, and **17.6899, 9.0924, 2.0509** is the 20% darker color. If you saturate the color by 10%, you get **36.5466, 19.7609, 5.1306**, and if you desaturate by 10%, it is **40.6073, 25.4901, 13.8592**.

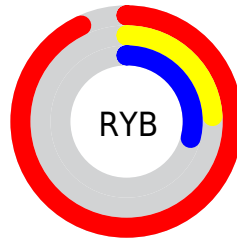
Distribution



Red (93%)

Green (24%)

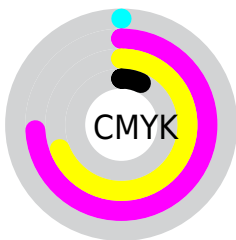
Blue (29%)



Red (93%)

Yellow (24%)

Blue (29%)

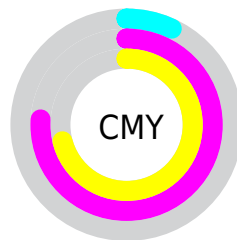


Cyan (0%)

Magenta (74%)

Yellow (69%)

Black (7%)



Cyan (7%)


Magenta (76%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1647, 22.0090, 8.7152 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 38.1647, 22.0090, 8.7152 by changing the saturation by 10% instead.


 38.1647, 22.0090,
8.7152


 38.1647, 22.0090,
8.7152

329.5946,
262.5933, 191.3780


 26.2883, 13.8635,
4.4616

 71.6628, 46.7609,
23.9180


 17.1733, 8.0258,
1.8819


 94.0152, 64.1360,
35.7042


 10.4542, 4.1115,
0.4811


 120.5904, 85.3566,
50.8384

 5.7657, 1.7361,
0.0000

 151.7536,
110.8068, 69.7392

 2.7424, 0.4469,
0.0000

 187.8703,
140.8713, 92.8250

 1.0191, 0.0000,
0.0000

229.3058,

 0.0000, 0.0000,

175.9342, 120.5143

0.0000

276.4255,
216.3801, 153.2258

■ 38.1647, 22.0090,
8.7152

■ 38.1647, 22.0090,
8.7152

■ 36.5466, 19.7609,
5.1306

■ 40.6073, 25.4901,
13.8592

■ 35.6420, 18.5688,
2.9268


■ 43.9635, 30.3424,
20.7125


■ 35.3646, 18.2190,
2.2023


■ 48.3125, 36.6899,
29.4086


■ 53.7245, 44.6416,
40.0674

■ 60.2633, 54.2965,
52.7987

 67.9877, 65.7455,
67.7040

 76.9522, 79.0730,
84.8785

 87.2084, 94.3583,
104.4113

 89.0697, 96.9171,
108.6201

Harmonies

Analogous

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



40.8009, 22.0090, 26.1505



38.1647, 22.0090, 8.7152



30.5816, 22.0090, 2.5641

Triad

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



38.1647, 22.0090, 8.7152



10.3098, 22.0090, 6.9727



20.1863, 22.0090, 102.5578

Complementary

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



38.1647, 22.0090, 8.7152



46.0918, 67.5782, 81.8571

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.



13.5417, 22.0090, 85.0333



38.1647, 22.0090, 8.7152



8.8455, 22.0090, 21.9031

Square

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



38.1647, 22.0090, 8.7152



14.5255, 22.0090, 2.1148



9.8542, 22.0090, 50.9909



28.9573, 22.0090, 90.0687

Rectangle

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



38.1647, 22.0090, 8.7152



24.5600, 22.0090, 1.4329



9.8542, 22.0090, 50.9909



17.6567, 22.0090, 99.8155

Sweetspot

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



38.1652, 22.0103, 8.7155



72.4219, 66.3734, 65.5047



47.6107, 25.2397, 83.2510



15.0085, 13.4773, 13.0666



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.



38.1652, 22.0103, 8.7155



42.1244, 22.2801, 4.5332



44.7325, 35.7744, 8.9641



15.8199, 15.7777, 16.6076



19.7472, 10.1713, 1.3194



1.6590, 0.8527, 0.1954

Inverse Universe

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



38.1652, 22.0103, 8.7155



42.1244, 22.2801, 4.5332



30.6789, 33.8078, 85.7972



15.8199, 15.7777, 16.6076



19.7472, 10.1713, 1.3194



1.6590, 0.8527, 0.1954

Previews

White Background



This preview shows how the XYZ color 38.1647, 22.0090, 8.7152 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 38.1647, 22.0090, 8.7152 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 38.1647, 22.0090, 8.7152

Background



This preview shows how black text looks on a background with the XYZ color 38.1647, 22.0090, 8.7152.



This preview shows how white text looks on a background with the XYZ color 38.1647, 22.0090,

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

38.1647, 22.0090, 8.7152

Protanopia

20.5836, 22.0046, 14.9668

Deuteranopia

22.5056, 22.0097, 7.9126



Tritanopia

37.9915, 22.1138, 7.2670

Trichromacy



Original Color

38.1647, 22.0090, 8.7152

Protanomaly

24.2513, 19.6375, 12.1851

Deuteranomaly

26.3396, 20.2231, 7.9840

Tritanomaly

38.0259, 22.0397, 7.7188

Monochromacy



Original Color

38.1647, 22.0090, 8.7152

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

20.8897, 16.5781, 14.1555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1647, 22.0090, 8.7152 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(238, 61, 74)` looks like.

```
.text, #text, p{  
    color:rgb(238, 61, 74)  
}
```

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(238, 61, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 61, 74) }
```

Border

The CSS property to change the border of an element to XYZ 38.1647, 22.0090, 8.7152 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(238, 61, 74) }
```


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

```
.border{ border-color:rgb(238, 61, 74) }
```

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

Here you see how a box with a 4 pixel rgb(238, 61, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 61, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 61, 74);  
box-shadow:4px 4px 4px 4px rgb(238, 61,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1647, 22.0090, 8.7152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 61, 74) }
```

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

```
.background{ background-color: rgb(238, 61,  
74) }
```

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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