

Converting Colors

XYZ(36.6189, 21.9652, 8.3614)

Have a look what the booklet for
XYZ(36.6189, 21.9652, 8.3614)
contains.

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Color

**XYZ(36.6386, 22.0040,
8.4470)**

Conversions

Conversions Part 1

Format	Color
Hex	E84648
RGB	232, 70, 72
RGB Percent	91%, 27%, 28%
CMY	0.0902, 0.7254, 0.7176
CMYK	0.00, 0.70, 0.69, 0.09
HSL	359°, 78%, 59%
HSV	359°, 70%, 91%
XYZ	36.6386, 22.0040, 8.4470
YIQ	118.6660, 95.9100, 34.9660

Conversions

Conversions Part 2

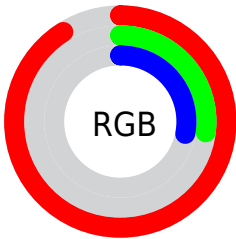
Format	Color
R_{YB}	232, 70, 72
Decimal	15222344
CIE _{Lab}	54.03, 62.03, 35.44
CIE _{LCh}	54, 71.444, 29.744
Yxy	22.0040, 0.5461, 0.3280
Android (android.graphics.Color)	4293412424 (0xFFE84648)
YUV	118.6660, -23.0063, 99.3939
Hunter-Lab	46.9084, 57.3306, 22.1593

Details

The XYZ color **36.6386, 22.0040, 8.4470** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **45.6673, 64.7292, 84.9572**, and the grayscale version is **17.4795, 18.3898, 20.0264**.

A 20% lighter version of the original color is **52.4104, 38.0788, 22.6768**, and **16.5718, 8.5189, 1.8695** is the 20% darker color. If you saturate the color by 10%, you get **34.8437, 19.3961, 4.8226**, and if you desaturate by 10%, it is **39.2732, 25.8462, 13.7253**.

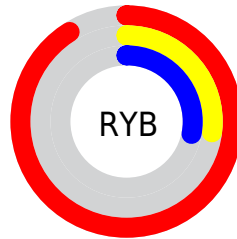
Distribution



Red (91%)

Green (27%)

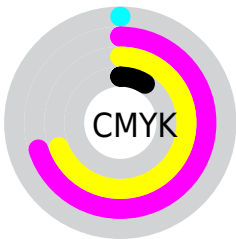
Blue (28%)



Red (91%)

Yellow (27%)

Blue (28%)

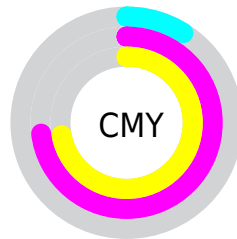


Cyan (0%)

Magenta (70%)

Yellow (69%)

Black (9%)



Cyan (9%)


Magenta (73%)


Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6386, 22.0040, 8.4470 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 36.6386, 22.0040, 8.4470 by changing the saturation by 10% instead.


 36.6386, 22.0040,
8.4470

 36.6386, 22.0040,
8.4470


323.1260,
262.5672, 189.2608


 25.1002, 13.8598,
4.2904


 69.3340, 46.7526,
23.3907

 16.2808, 8.0232,
1.7860


 91.2218, 64.1258,
35.0148

 9.8152, 4.1098,
0.4187


 117.2900, 85.3442,
49.9653

 5.3379, 1.7352,
0.0000

 147.9041,
110.7922, 68.6606

 2.4837, 0.4463,
0.0000

 183.4294,
140.8540, 91.5192

 0.8870, 0.0000,
0.0000

224.2312,

 0.0000, 0.0000,

175.9142, 118.9598

0.0000

270.6750,
216.3571, 151.4008

■ 36.6386, 22.0040,
8.4470

■ 36.6386, 22.0040,
8.4470

■ 34.8437, 19.3961,
4.8226

■ 39.2732, 25.8462,
13.7253

■ 33.7856, 17.8684,
2.6556

■ 42.8314, 31.0454,
20.8217


■ 33.3008, 17.1718,
1.6528


■ 47.3887, 37.7138,
29.8820


■ 33.2942, 17.1620,
1.6396

■ 53.0124, 45.9510,
41.0368

■ 59.7639, 55.8477,
54.4056

 67.7002, 67.4878,
70.0988

 76.8740, 80.9496,
88.2194

 87.0885, 95.8957,
108.5274

Harmonies

Analogous

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



39.5556, 22.0040, 24.1495



36.6386, 22.0040, 8.4470



29.3243, 22.0040, 2.7999

Triad

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



36.6386, 22.0040, 8.4470



10.5308, 22.0040, 8.2835



20.8477, 22.0040, 96.6135

Complementary

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



36.6386, 22.0040, 8.4470



45.6673, 64.7292, 84.9572

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.



14.2886, 22.0040, 82.6679



36.6386, 22.0040, 8.4470



9.3018, 22.0040, 23.7688

Square

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



36.6386, 22.0040, 8.4470



14.3781, 22.0040, 2.7546



10.4888, 22.0040, 51.8577



29.1803, 22.0040, 83.1034

Rectangle

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



36.6386, 22.0040, 8.4470



23.6712, 22.0040, 1.7468



10.4888, 22.0040, 51.8577



18.3799, 22.0040, 94.9031

Sweetspot

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



36.6391, 22.0053, 8.4473



72.9051, 67.5128, 65.1328



49.1651, 26.9152, 78.9474



15.0879, 13.6928, 12.9181



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.



36.6391, 22.0053, 8.4473



42.4700, 23.0097, 4.5301



45.0223, 38.8738, 10.9266



14.3842, 14.3709, 14.9574



18.4871, 9.5290, 0.9279



1.3687, 0.7052, 0.0820

Inverse Universe

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



36.6391, 22.0053, 8.4473



42.4700, 23.0097, 4.5301



28.5990, 30.1426, 80.6543



14.3842, 14.3709, 14.9574



18.4871, 9.5290, 0.9279



1.3687, 0.7052, 0.0820

Previews

White Background



This preview shows how the XYZ color 36.6386, 22.0040, 8.4470 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 36.6386, 22.0040, 8.4470 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 36.6386, 22.0040, 8.4470

Background



This preview shows how black text looks on a background with the XYZ color 36.6386, 22.0040, 8.4470.



This preview shows how white text looks on a background with the XYZ color 36.6386, 22.0040,

8.4470.

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

36.6386, 22.0040, 8.4470

Protanopia

20.6505, 22.2624, 13.7983

Deuteranopia

22.4774, 21.9984, 7.7641



Tritanopia

36.6715, 22.0172, 8.6203

Trichromacy



Original Color

36.6386, 22.0040, 8.4470

Protanomaly

24.2759, 20.2812, 11.4393

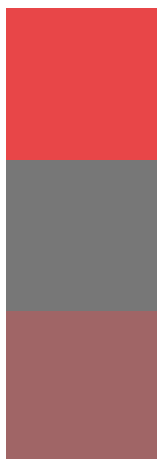
Deuteranomaly

26.1834, 20.7331, 7.7761

Tritanomaly

36.6715, 22.0172, 8.6203

Monochromacy



Original Color

36.6386, 22.0040, 8.4470

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

21.5492, 17.7403, 14.8588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6386, 22.0040, 8.4470 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(232, 70, 72)` looks like.

```
.text, #text, p{  
    color:rgb(232, 70, 72)  
}
```

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(232, 70, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 70, 72) }
```

Border

The CSS property to change the border of an element to XYZ 36.6386, 22.0040, 8.4470 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(232, 70, 72) }
```


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

```
.border{ border-color:rgb(232, 70, 72) }
```

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

Here you see how a box with a 4 pixel rgb(232, 70, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 70, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 70, 72);  
box-shadow:4px 4px 4px 4px rgb(232, 70,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6386, 22.0040, 8.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 70, 72) }
```

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

```
.background{ background-color: rgb(232, 70,  
72) }
```

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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