

Converting Colors

XYZ(34.6039, 18.2891, 2.5413)

Have a look what the booklet for
XYZ(34.6039, 18.2891, 2.5413)
contains.

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Color

**XYZ(34.7220, 18.3368,
2.5199)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1717
RGB	235, 23, 23
RGB Percent	92%, 9%, 9%
CMY	0.0784, 0.9097, 0.9098
CMYK	0.00, 0.90, 0.90, 0.08
HSL	0°, 84%, 51%
HSV	0°, 90%, 92%
XYZ	34.7220, 18.3368, 2.5199
YIQ	86.3880, 126.3520, 44.9440

Conversions

Conversions Part 2

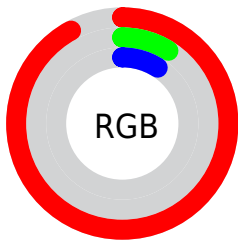
Format	Color
R_{YB}	235, 23, 23
Decimal	15406871
CIE Lab	49.90, 73.37, 56.63
CIE LCh	50, 92.683, 37.662
Yxy	18.3368, 0.6247, 0.3299
Android (android.graphics.Color)	4293596951 (0xFFEB1717)
YUV	86.3880, -31.2503, 130.3327
Hunter-Lab	42.8215, 69.7999, 26.4860

Details

The XYZ color **34.7220, 18.3368, 2.5199** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **45.0477, 65.5784, 88.8803**, and the grayscale version is **8.9772, 9.4447, 10.2852**.

A 20% lighter version of the original color is **46.7774, 30.4632, 9.5454**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.2611, 17.6628, 1.6035**, and if you desaturate by 10%, it is **35.7615, 19.8588, 4.5851**.

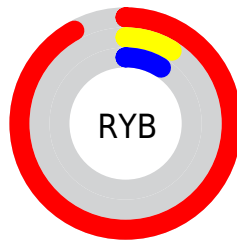
Distribution



Red (92%)

Green (9%)

Blue (9%)



Red (92%)

Yellow (9%)

Blue (9%)

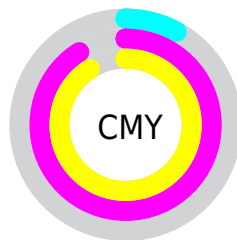


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (8%)



Cyan (8%)


Magenta (91%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7220, 18.3368, 2.5199 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 34.7220, 18.3368, 2.5199 by changing the saturation by 10% instead.


 34.7220, 18.3368,
2.5199


 34.7220, 18.3368,
2.5199


314.8691,
242.7626, 129.9891


 23.6143, 11.1921,
0.8507


 66.3917, 40.6104,
10.4188


 15.1710, 6.1962,
0.0000


 87.6845, 56.5080,
17.4900

 9.0265, 2.9647,
0.0000


 113.1030, 76.0921,
27.2004

 4.8158, 1.1133,
0.0000

 143.0126, 99.7470,
39.9685

 2.1732, 0.0000,
0.0000

 177.7787,
127.8571, 56.2129


 0.7286, 0.0000,
0.0000


 217.7665,


 0.0000, 0.0000,


160.8068, 76.3521


0.0000


 263.3416,
198.9805, 100.8046


 34.7220, 18.3368,
2.5199


 34.7220, 18.3368,
2.5199


 34.2611, 17.6628,
1.6035

 35.7615, 19.8588,
4.5851

 37.5579, 22.4877,
8.1554

 40.2190, 26.3818,
13.4449

 43.8350, 31.6731,
20.6329

 48.4847, 38.4771,
29.8761

■ 54.2389, 46.8971,
41.3153

■ 61.1621, 57.0275,
55.0787

■ 69.3137, 68.9554,
71.2845

■ 78.7493, 82.7620,
90.0431

Harmonies

Analogous

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



40.3924, 18.3368, 14.1343



34.7220, 18.3368, 2.5199



24.7497, 18.3368, 0.0217

Triad

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



34.7220, 18.3368, 2.5199



5.9322, 18.3368, 6.5583



19.8035, 18.3368, 118.0795

Complementary

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



34.7220, 18.3368, 2.5199



45.0477, 65.5784, 88.8803

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.



11.7155, 18.3368, 107.8276



34.7220, 18.3368, 2.5199



5.3992, 18.3368, 27.2139

Square

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



34.7220, 18.3368, 2.5199



8.9450, 18.3368, 0.8857



7.1115, 18.3368, 67.1673



30.0681, 18.3368, 88.9931

Rectangle

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



34.7220, 18.3368, 2.5199



18.1338, 18.3368, 0.0000



7.1115, 18.3368, 67.1673



16.7419, 18.3368, 119.3777

Sweetspot

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



34.7224, 18.3380, 2.5201



67.7116, 59.9969, 54.5498



49.5624, 24.2730, 80.6696



13.9196, 12.0026, 10.5358



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.



34.7224, 18.3380, 2.5201



41.2404, 21.2608, 1.9301



42.2656, 33.4244, 5.0345



15.0657, 15.0544, 15.6305



19.0681, 9.8304, 0.8925



1.4974, 0.7720, 0.0701

Inverse Universe

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



45.0477, 65.5784, 88.8803



53.7979, 78.7157, 106.9660



23.1989, 21.8808, 81.5974



15.5175, 17.1215, 19.4092



24.8742, 36.3954, 49.4570



1.9533, 2.8580, 3.8836

Previews

White Background



This preview shows how the XYZ color 34.7220, 18.3368, 2.5199 looks on a white 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

Black Background



This preview shows how the XYZ color 34.7220, 18.3368, 2.5199 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 34.7220, 18.3368, 2.5199

Background



This preview shows how black text looks on a background with the XYZ color 34.7220, 18.3368, 2.5199.



This preview shows how white text looks on a background with the XYZ color 34.7220, 18.3368,

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

34.7220, 18.3368, 2.5199

Protanopia

16.9840, 18.6757, 4.9951

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.6738, 18.3499, 2.1663

Trichromacy



Original Color

34.7220, 18.3368, 2.5199

Protanomaly

20.3615, 15.2823, 3.5457

Deuteranomaly

22.2777, 15.8475, 2.1144

Tritanomaly

34.6968, 18.3591, 2.2872

Monochromacy



Original Color

34.7220, 18.3368, 2.5199

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.4899, 9.4893, 5.8233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7220, 18.3368, 2.5199 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(235, 23, 23)` looks like.

```
.text, #text, p{  
    color:rgb(235, 23, 23)  
}
```

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(235, 23, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 23, 23) }
```

Border

The CSS property to change the border of an element to XYZ 34.7220, 18.3368, 2.5199 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(235, 23, 23) }
```


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

```
.border{ border-color:rgb(235, 23, 23) }
```

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

Here you see how a box with a 4 pixel rgb(235, 23, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 23, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 23, 23);  
box-shadow:4px 4px 4px 4px rgb(235, 23,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7220, 18.3368, 2.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 23, 23) }
```

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

```
.background{ background-color: rgb(235, 23,  
23) }
```

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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