

Converting Colors

XYZ(34.8768, 18.2811, 3.6979)

Have a look what the booklet for
XYZ(34.8768, 18.2811, 3.6979)
contains.

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Color

**XYZ(34.8768, 18.2811,
3.6979)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1328
RGB	235, 19, 40
RGB Percent	92%, 7%, 16%
CMY	0.0784, 0.9253, 0.8431
CMYK	0.00, 0.92, 0.83, 0.08
HSL	354°, 85%, 50%
HSV	354°, 92%, 92%
XYZ	34.8768, 18.2811, 3.6979
YIQ	85.9780, 121.9950, 52.3230

Conversions

Conversions Part 2

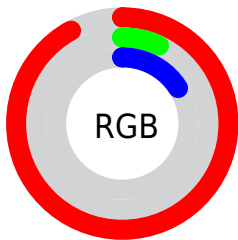
Format	Color
R_{YB}	235, 19, 40
Decimal	15405864
CIE _{Lab}	49.84, 74.19, 48.74
CIE _{LCh}	50, 88.767, 33.304
Yxy	18.2811, 0.6134, 0.3215
Android (android.graphics.Color)	4293595944 (0xFFEB1328)
YUV	85.9780, -22.6672, 130.6923
Hunter-Lab	42.7564, 70.7804, 24.8016

Details

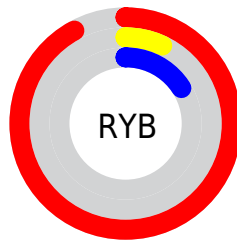
The XYZ color **34.8768, 18.2811, 3.6979** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **42.1197, 64.4119, 73.8556**, and the grayscale version is **8.8734, 9.3355, 10.1663**.

A 20% lighter version of the original color is **47.2350, 30.4975, 12.4139**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.4134, 17.7231, 2.4078**, and if you desaturate by 10%, it is **35.9561, 19.6957, 6.3525**.

Distribution



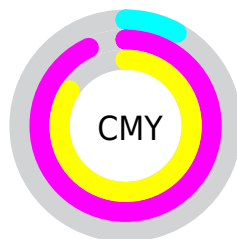
- Red (92%)
- Green (7%)
- Blue (16%)



- Red (92%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (92%)
- Yellow (83%)
- Black (8%)





- Cyan (8%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8768, 18.2811, 3.6979 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 34.8768, 18.2811, 3.6979 by changing the saturation by 10% instead.


 34.8768, 18.2811,
3.6979

 34.8768, 18.2811,
3.6979


315.5418,
242.4507, 144.8059


 23.7341, 11.1520,
1.4611


 66.6301, 40.5157,
13.3068


 15.2601, 6.1692,
0.1887


 87.9715, 56.3900,
21.5160

 9.0897, 2.9482,
0.0000


 113.4430, 75.9482,
32.5531

 4.8573, 1.1048,
0.0000

 143.4102, 99.5746,
46.8367

 2.1977, 0.0000,
0.0000

 178.2382,
127.6537, 64.7852

 0.7415, 0.0000,
0.0000

 218.2926,

 0.0000, 0.0000,

160.5698, 86.8172

0.0000

263.9387,
198.7074, 113.3512

■ 34.8768, 18.2811,
3.6979

■ 34.8768, 18.2811,
3.6979

■ 34.4134, 17.7231,
2.4078

■ 35.9561, 19.6957,
6.3525

■ 37.7508, 22.1788,
10.3617

■ 40.3593, 25.8892,
15.8756

■ 43.8638, 30.9582,
23.0243

■ 48.3365, 37.5005,
31.9236

■ 53.8421, 45.6183,
42.6790

■ 60.4399, 55.4051,
55.3874

■ 68.1845, 66.9466,
70.1389

■ 77.1269, 80.3231,
87.0183

Harmonies

Analogous

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



39.2673, 18.2811, 17.3327



34.8768, 18.2811, 3.6979



25.7787, 18.2811, 0.4627

Triad

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



34.8768, 18.2811, 3.6979



6.4998, 18.2811, 5.4330



18.3326, 18.2811, 112.3968

Complementary

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



34.8768, 18.2811, 3.6979



42.1197, 64.4119, 73.8556

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.



11.0315, 18.2811, 97.5635



34.8768, 18.2811, 3.6979



5.6514, 18.2811, 22.7199

Square

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



34.8768, 18.2811, 3.6979



9.8721, 18.2811, 0.8204



7.0001, 18.2811, 58.1333



27.9549, 18.2811, 90.0008

Rectangle

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



34.8768, 18.2811, 3.6979



19.3470, 18.2811, 0.0000



7.0001, 18.2811, 58.1333



15.5430, 18.2811, 111.6348

Sweetspot

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



34.8772, 18.2823, 3.6981



67.6499, 59.1160, 56.8648



42.7864, 20.6716, 80.3315



13.7854, 11.6250, 10.8277



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.



34.8772, 18.2823, 3.6981



41.4128, 21.3291, 2.8400



39.4733, 27.8986, 3.9223



15.1249, 15.0778, 15.9428



19.1735, 9.8721, 1.4491



1.5258, 0.7833, 0.2200

Inverse Universe

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



34.8772, 18.2823, 3.6981



41.4128, 21.3291, 2.8400



25.9512, 27.5101, 82.5388



15.1249, 15.0778, 15.9428



19.1735, 9.8721, 1.4491



1.5258, 0.7833, 0.2200

Previews

White Background



This preview shows how the XYZ color 34.8768, 18.2811, 3.6979 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 34.8768, 18.2811, 3.6979 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 34.8768, 18.2811, 3.6979

Background



This preview shows how black text looks on a background with the XYZ color 34.8768, 18.2811, 3.6979.



This preview shows how white text looks on a background with the XYZ color 34.8768, 18.2811,

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

34.8768, 18.2811, 3.6979

Protanopia

17.1294, 18.6974, 7.4088

Deuteranopia

18.7612, 18.4270, 3.0582



Tritanopia

34.6738, 18.3499, 2.1663

Trichromacy



Original Color

34.8768, 18.2811, 3.6979

Protanomaly

20.1450, 14.8974, 5.4281

Deuteranomaly

22.2629, 15.6072, 2.7588

Tritanomaly

34.7127, 18.3019, 2.5672

Monochromacy



Original Color

34.8768, 18.2811, 3.6979

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.6120, 9.4504, 6.7369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8768, 18.2811, 3.6979 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, 19, 40)` looks like.

```
.text, #text, p{  
    color:rgb(235, 19, 40)  
}
```

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, 19, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 19, 40) }
```

Border

The CSS property to change the border of an element to XYZ 34.8768, 18.2811, 3.6979 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, 19, 40) }
```


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

```
.border{ border-color:rgb(235, 19, 40) }
```

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

Here you see how a box with a 4 pixel rgb(235, 19, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 19, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 19, 40);  
box-shadow:4px 4px 4px 4px rgb(235, 19,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8768, 18.2811, 3.6979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 19, 40) }
```

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

```
.background{ background-color: rgb(235, 19,  
40) }
```

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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