

Converting Colors

XYZ(34.7936, 18.4333, 2.6485)

Have a look what the booklet for
XYZ(34.7936, 18.4333, 2.6485)
contains.

XYZ(34.7840, 18.4276, 2.6433)	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(34.7840, 18.4276,
2.6433)**

Conversions

Conversions Part 1

Format	Color
Hex	EB1919
RGB	235, 25, 25
RGB Percent	92%, 10%, 10%
CMY	0.0784, 0.9018, 0.9020
CMYK	0.00, 0.89, 0.89, 0.08
HSL	0°, 84%, 51%
HSV	0°, 89%, 92%
XYZ	34.7840, 18.4276, 2.6433
YIQ	87.7900, 125.1600, 44.5200

Conversions

Conversions Part 2

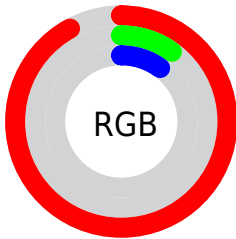
Format	Color
R_{YB}	235, 25, 25
Decimal	15407385
CIE Lab	50.01, 73.11, 55.90
CIE LCh	50, 92.036, 37.400
Yxy	18.4276, 0.6228, 0.3299
Android (android.graphics.Color)	4293597465 (0xFFEB1919)
YUV	87.7900, -30.9555, 129.1032
Hunter-Lab	42.9274, 69.5154, 26.3983

Details

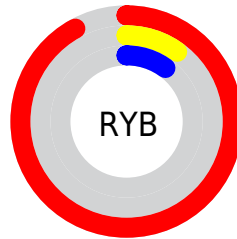
The XYZ color **34.7840, 18.4276, 2.6433** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **45.0958, 65.6040, 88.8825**, and the grayscale version is **9.2796, 9.7629, 10.6318**.

A 20% lighter version of the original color is **46.9044, 30.6647, 9.7501**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.2855, 17.6986, 1.6522**, and if you desaturate by 10%, it is **35.8832, 20.0369, 4.8271**.

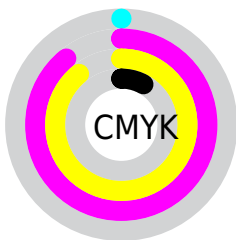
Distribution



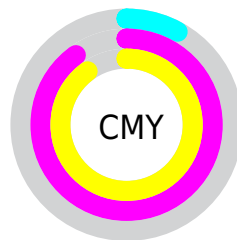
- Red (92%)
- Green (10%)
- Blue (10%)



- Red (92%)
- Yellow (10%)
- Blue (10%)



- Cyan (0%)
- Magenta (89%)
- Yellow (89%)
- Black (8%)





- Cyan (8%)
- Magenta (90%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7840, 18.4276, 2.6433 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 34.7840, 18.4276, 2.6433 by changing the saturation by 10% instead.

 34.7840, 18.4276,
2.6433


 34.7840, 18.4276,
2.6433


315.1386,
243.2703, 131.6792


 23.6623, 11.2574,
0.9147


 66.4872, 40.7646,
10.7348


 15.2067, 6.2403,
0.0000


 87.7995, 56.7002,
17.9356

 9.0518, 2.9917,
0.0000


 113.2392, 76.3264,
27.7978

 4.8324, 1.1274,
0.0000

 143.1719,
100.0276, 40.7400

 2.1830, 0.0012,
0.0000

 177.9628,
128.1882, 57.1807


 0.7338, 0.0000,
0.0000


 217.9773,


 0.0000, 0.0000,


161.1926, 77.5384


0.0000


 263.5808,
199.4252, 102.2318


 34.7840, 18.4276,
2.6433


 34.7840, 18.4276,
2.6433


 34.2855, 17.6986,
1.6522


 35.8832, 20.0369,
4.8271

 34.2610, 17.6627,
1.6035

 37.7493, 22.7677,
8.5361

 40.4883, 26.7759,
13.9806

 44.1893, 32.1917,
21.3377

 48.9304, 39.1294,
30.7626

■ 54.7818, 47.6915,
42.3948

■ 61.8073, 57.9716,
56.3616

■ 70.0661, 70.0565,
72.7806

■ 79.6135, 84.0267,
91.7614

Harmonies

Analogous

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



40.3546, 18.4276, 14.4253



34.7840, 18.4276, 2.6433



24.8921, 18.4276, 0.0878

Triad

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



34.7840, 18.4276, 2.6433



6.0429, 18.4276, 6.5694



19.7965, 18.4276, 117.3944

Complementary

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



34.7840, 18.4276, 2.6433



45.0958, 65.6040, 88.8825

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.



11.7615, 18.4276, 106.9033



34.7840, 18.4276, 2.6433



5.4884, 18.4276, 27.0097

Square

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



34.7840, 18.4276, 2.6433



9.0869, 18.4276, 0.9166



7.1851, 18.4276, 66.5289



29.9993, 18.4276, 88.8957

Rectangle

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



34.7840, 18.4276, 2.6433



18.2972, 18.4276, 0.0000



7.1851, 18.4276, 66.5289



16.7552, 18.4276, 118.5519

Sweetspot

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



34.7844, 18.4288, 2.6435



67.7115, 59.9967, 54.5498



49.6035, 24.3554, 80.6832



13.9195, 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.



34.7844, 18.4288, 2.6435



41.2404, 21.2608, 1.9301



42.4188, 33.6975, 5.1883



15.0657, 15.0544, 15.6305



19.0681, 9.8304, 0.8924



1.4974, 0.7720, 0.0701

Inverse Universe

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



45.0958, 65.6040, 88.8825



53.7986, 78.7171, 106.9662



23.3788, 22.1701, 81.6436



15.5175, 17.1215, 19.4092



24.8745, 36.3960, 49.4571



1.9533, 2.8581, 3.8836

Previews

White Background



This preview shows how the XYZ color 34.7840, 18.4276, 2.6433 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 34.7840, 18.4276, 2.6433 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 34.7840, 18.4276, 2.6433

Background



This preview shows how black text looks on a background with the XYZ color 34.7840, 18.4276, 2.6433.



This preview shows how white text looks on a background with the XYZ color 34.7840, 18.4276,

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

34.7840, 18.4276, 2.6433

Protanopia

17.0216, 18.6907, 5.1932

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.7395, 18.4446, 2.3015

Trichromacy



Original Color

34.7840, 18.4276, 2.6433

Protanomaly

20.3929, 15.2949, 3.7111

Deuteranomaly

22.3580, 15.9994, 2.1682

Tritanomaly

34.7657, 18.4551, 2.4393

Monochromacy



Original Color

34.7840, 18.4276, 2.6433

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.8289, 9.8250, 6.1686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7840, 18.4276, 2.6433 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, 25, 25)` looks like.

```
.text, #text, p{  
  color:rgb(235, 25, 25)  
}
```

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, 25, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 25, 25) }
```

Border

The CSS property to change the border of an element to XYZ 34.7840, 18.4276, 2.6433 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, 25, 25) }
```


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

```
.border{ border-color:rgb(235, 25, 25) }
```

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

Here you see how a box with a 4 pixel rgb(235, 25, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 25, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 25, 25);  
box-shadow:4px 4px 4px 4px rgb(235, 25,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7840, 18.4276, 2.6433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 25, 25) }
```

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

```
.background{ background-color: rgb(235, 25,  
25) }
```

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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