

Converting Colors

XYZ(35.1617, 19.3397, 3.8873)

Have a look what the booklet for
XYZ(35.1617, 19.3397, 3.8873)
contains.

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Color

**XYZ(35.1786, 19.3734,
3.8928)**

Conversions

Conversions Part 1

Format	Color
Hex	EA2B28
RGB	234, 43, 40
RGB Percent	92%, 17%, 16%
CMY	0.0824, 0.8313, 0.8431
CMYK	0.00, 0.82, 0.83, 0.08
HSL	1°, 82%, 54%
HSV	1°, 83%, 92%
XYZ	35.1786, 19.3734, 3.8928
YIQ	99.7670, 114.7990, 39.5590

Conversions

Conversions Part 2

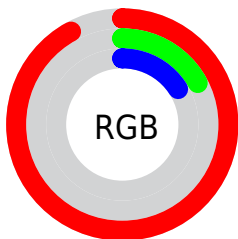
Format	Color
RYB	234, 43, 40
Decimal	15346472
CIELab	51.12, 69.68, 49.84
CIELCh	51, 85.666, 35.577
Yxy	19.3734, 0.6019, 0.3315
Android (android.graphics.Color)	4293536552 (0xFFEA2B28)
YUV	99.7670, -29.4651, 117.7223
Hunter-Lab	44.0152, 65.6372, 25.5669

Details

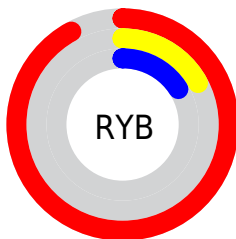
The XYZ color **35.1786, 19.3734, 3.8928** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **44.2971, 63.5332, 87.7698**, and the grayscale version is **12.1080, 12.7386, 13.8723**.

A 20% lighter version of the original color is **48.3229, 32.6732, 12.7765**, and **16.3622, 8.4350, 0.7657** is the 20% darker color. If you saturate the color by 10%, you get **34.2794, 18.0312, 2.1877**, and if you desaturate by 10%, it is **36.7913, 21.7585, 7.0222**.

Distribution



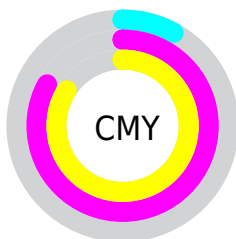
- Red (92%)
- Green (17%)
- Blue (16%)



- Red (92%)
- Yellow (17%)
- Blue (16%)



- Cyan (0%)
- Magenta (82%)
- Yellow (83%)
- Black (8%)





- Cyan (8%)
- Magenta (83%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1786, 19.3734, 3.8928 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 35.1786, 19.3734, 3.8928 by changing the saturation by 10% instead.


 35.1786, 19.3734,
3.8928


 35.1786, 19.3734,
3.8928


316.8502,
248.5025, 147.0263


 23.9676, 11.9404,
1.5667


 67.0946, 42.3641,
13.7618


 15.4342, 6.7031,
0.2669


 88.5303, 58.6906,
22.1417

 9.2130, 3.2771,
0.0000


 114.1049, 78.7504,
33.3767

 4.9386, 1.2781,
0.0000

 144.1839,
102.9279, 47.8853

 2.2457, 0.1241,
0.0000

 179.1326,
131.6074, 66.0860

 0.7666, 0.0000,
0.0000

 219.3163,

 0.0000, 0.0000,

165.1734, 88.3974

0.0000

265.1004,
204.0103, 115.2380

■ 35.1786, 19.3734,
3.8928

■ 35.1786, 19.3734,
3.8928

■ 34.2794, 18.0312,
2.1877

■ 36.7913, 21.7585,
7.0222


■ 33.9710, 17.5713,
1.6011


■ 39.2235, 25.3370,
11.7974

■ 42.5650, 30.2387,
18.4024


■ 46.8933, 36.5756,
26.9967

■ 52.2780, 44.4480,
37.7224

 58.7820, 53.9469,
50.7088

 66.4637, 65.1565,
66.0746

 75.3771, 78.1551,
83.9306

 85.5730, 93.0160,
104.3803

Harmonies

Analogous

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



39.9621, 19.3734, 16.8617



35.1786, 19.3734, 3.8928



26.0388, 19.3734, 0.7089

Triad

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



35.1786, 19.3734, 3.8928



7.1750, 19.3734, 7.0487



20.0495, 19.3734, 110.5023

Complementary

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



35.1786, 19.3734, 3.8928



44.2971, 63.5332, 87.7698

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.



12.4449, 19.3734, 98.9545



35.1786, 19.3734, 3.8928



6.4606, 19.3734, 25.9819

Square

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



35.1786, 19.3734, 3.8928



10.4427, 19.3734, 1.3292



8.0569, 19.3734, 61.7707



29.6636, 19.3734, 86.7380

Rectangle

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



35.1786, 19.3734, 3.8928



19.7044, 19.3734, 0.1908



8.0569, 19.3734, 61.7707



17.1809, 19.3734, 110.7503

Sweetspot

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



35.1790, 19.3746, 3.8931



69.5743, 62.8381, 57.8966



49.5415, 24.9504, 80.0462



14.2838, 12.5622, 11.1782



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.



35.1790, 19.3746, 3.8931



41.3243, 21.4062, 2.0270



43.2601, 35.5368, 6.5868



15.0843, 15.0915, 15.6367



19.0984, 9.8909, 0.9025



1.5063, 0.7900, 0.0731

Inverse Universe

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



44.2971, 63.5332, 87.7698



52.6019, 76.2765, 106.5582



24.6719, 24.2829, 81.2281



15.4964, 17.0793, 19.4021



24.3126, 35.2721, 49.2698



1.9156, 2.7826, 3.8710

Previews

White Background



This preview shows how the XYZ color 35.1786, 19.3734, 3.8928 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 35.1786, 19.3734, 3.8928 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 35.1786, 19.3734, 3.8928

Background



This preview shows how black text looks on a background with the XYZ color 35.1786, 19.3734, 3.8928.



This preview shows how white text looks on a background with the XYZ color 35.1786, 19.3734,

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

35.1786, 19.3734, 3.8928

Protanopia

17.8902, 19.6431, 7.1235

Deuteranopia

19.8721, 19.5030, 3.2894



Tritanopia

35.2135, 19.3873, 4.0767

Trichromacy



Original Color

35.1786, 19.3734, 3.8928

Protanomaly

21.4399, 16.9204, 5.5041

Deuteranomaly

23.5260, 17.4097, 3.0977

Tritanomaly

35.1958, 19.3803, 3.9836

Monochromacy



Original Color

35.1786, 19.3734, 3.8928

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.5656, 12.5316, 8.7535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1786, 19.3734, 3.8928 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(234, 43, 40)` looks like.

```
.text, #text, p{  
    color:rgb(234, 43, 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(234, 43, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 43, 40) }
```

Border

The CSS property to change the border of an element to XYZ 35.1786, 19.3734, 3.8928 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(234, 43, 40) }
```


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

```
.border{ border-color:rgb(234, 43, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 43, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 43, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 43, 40);  
box-shadow:4px 4px 4px 4px rgb(234, 43,  
40) }
```

Background

The CSS property to change the background color of an element to XYZ 35.1786, 19.3734, 3.8928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 43, 40) }
```

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

```
.background{ background-color: rgb(234, 43,  
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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