

Converting Colors

XYZ(35.2978, 18.5516, 2.3683)

Have a look what the booklet for
XYZ(35.2978, 18.5516, 2.3683)
contains.

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Color

**XYZ(35.3015, 18.5553,
2.3828)**

Conversions

Conversions Part 1

Format	Color
Hex	ED1414
RGB	237, 20, 20
RGB Percent	93%, 8%, 8%
CMY	0.0706, 0.9214, 0.9216
CMYK	0.00, 0.92, 0.92, 0.07
HSL	0°, 86%, 50%
HSV	0°, 92%, 93%
XYZ	35.3015, 18.5553, 2.3828
YIQ	84.8830, 129.3320, 46.0040

Conversions

Conversions Part 2

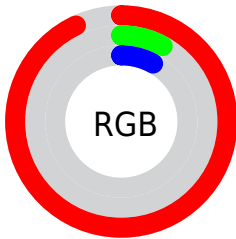
Format	Color
R_{YB}	237, 20, 20
Decimal	15537172
CIE Lab	50.16, 74.22, 58.13
CIE LCh	50, 94.279, 38.068
Yxy	18.5553, 0.6277, 0.3299
Android (android.graphics.Color)	4293727252 (0xFFED1414)
YUV	84.8830, -31.9873, 133.4066
Hunter-Lab	43.0759, 70.9014, 26.8734

Details

The XYZ color **35.3015, 18.5553, 2.3828** 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 **45.8487, 66.8116, 90.5997**, and the grayscale version is **8.6598, 9.1108, 9.9217**.

A 20% lighter version of the original color is **46.6819, 30.4250, 9.0424**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **34.9252, 18.0052, 1.6346**, and if you desaturate by 10%, it is **36.2646, 19.9655, 4.2959**.

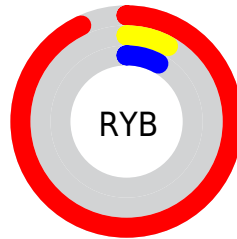
Distribution



Red (93%)

Green (8%)

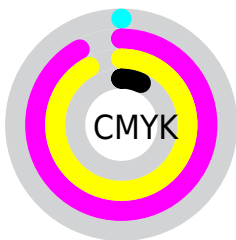
Blue (8%)



Red (93%)

Yellow (8%)

Blue (8%)

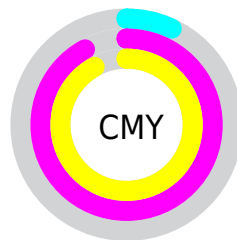


Cyan (0%)

Magenta (92%)

Yellow (92%)

Black (7%)



Cyan (7%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3015, 18.5553, 2.3828 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 35.3015, 18.5553, 2.3828 by changing the saturation by 10% instead.


 35.3015, 18.5553,
2.3828


 35.3015, 18.5553,
2.3828


317.3819,
243.9826, 128.0633


 24.0628, 11.3494,
0.7771


 67.2835, 40.9813,
10.0632

 15.5052, 6.3024,
0.0000


 88.7576, 56.9702,
16.9867

 9.2633, 3.0298,
0.0000


 114.3741, 76.6555,
26.5239

 4.9718, 1.1473,
0.0000

 144.4986,
100.4217, 39.0933

 2.2653, 0.0180,
0.0000

 179.4962,
128.6531, 55.1133

 0.7768, 0.0000,
0.0000


 219.7324,


 0.0000, 0.0000,


161.7341, 75.0027


0.0000


 265.5725,
200.0492, 99.1798

 35.3015, 18.5553,
2.3828


 35.3015, 18.5553,
2.3828


 34.9252, 18.0052,
1.6346

 36.2646, 19.9655,
4.2959

 37.9827, 22.4799,
7.7107

 40.5693, 26.2649,
12.8519

 44.1182, 31.4582,
19.9066

 48.7115, 38.1796,
29.0376

■ 54.4222, 46.5360,
40.3904

■ 61.3171, 56.6250,
54.0974

■ 69.4574, 68.5363,
70.2807

■ 78.9003, 82.3537,
89.0540

Harmonies

Analogous

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



41.2411, 18.5553, 13.9572



35.3015, 18.5553, 2.3828



25.0092, 18.5553, 0.0000

Triad

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



35.3015, 18.5553, 2.3828



5.8781, 18.5553, 6.6748



20.2067, 18.5553, 121.4558

Complementary

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



35.3015, 18.5553, 2.3828



45.8487, 66.8116, 90.5997

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.



11.8767, 18.5553, 111.3998



35.3015, 18.5553, 2.3828



5.3683, 18.5553, 28.0809

Square

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



35.3015, 18.5553, 2.3828



8.9004, 18.5553, 0.8574



7.1389, 18.5553, 69.5042



30.7689, 18.5553, 90.8668

Rectangle

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



35.3015, 18.5553, 2.3828



18.2326, 18.5553, 0.0000



7.1389, 18.5553, 69.5042



17.0531, 18.5553, 123.0074

Sweetspot

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



35.3019, 18.5565, 2.3830



67.7117, 59.9971, 54.5498



50.4610, 24.6192, 82.2126



13.9196, 12.0027, 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.



35.3019, 18.5565, 2.3830



41.2404, 21.2609, 1.9301



42.8357, 33.6242, 4.8943



15.0657, 15.0544, 15.6305



19.0681, 9.8304, 0.8925



1.4974, 0.7721, 0.0701

Inverse Universe

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



45.8487, 66.8116, 90.5997



53.7974, 78.7148, 106.9658



23.3591, 21.8324, 83.1032



15.5175, 17.1215, 19.4092



24.8740, 36.3949, 49.4569



1.9533, 2.8580, 3.8836

Previews

White Background



This preview shows how the XYZ color 35.3015, 18.5553, 2.3828 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 35.3015, 18.5553, 2.3828 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 35.3015, 18.5553, 2.3828

Background



This preview shows how black text looks on a background with the XYZ color 35.3015, 18.5553, 2.3828.



This preview shows how white text looks on a background with the XYZ color 35.3015, 18.5553,

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

35.3015, 18.5553, 2.3828

Protanopia

17.2120, 18.9788, 4.7636

Deuteranopia

18.9662, 18.7100, 2.6118



Tritanopia

35.2261, 18.5540, 1.8970

Trichromacy



Original Color

35.3015, 18.5553, 2.3828

Protanomaly

20.4581, 15.2211, 3.2986

Deuteranomaly

22.4355, 15.8199, 2.0721

Tritanomaly

35.2536, 18.5650, 2.0419

Monochromacy



Original Color

35.3015, 18.5553, 2.3828

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

13.3263, 9.2499, 5.4979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3015, 18.5553, 2.3828 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(237, 20, 20)` looks like.

```
.text, #text, p{  
    color:rgb(237, 20, 20)  
}
```

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(237, 20, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 20, 20) }
```

Border

The CSS property to change the border of an element to XYZ 35.3015, 18.5553, 2.3828 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(237, 20, 20) }
```


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

```
.border{ border-color:rgb(237, 20, 20) }
```

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

Here you see how a box with a 4 pixel rgb(237, 20, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 20, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 20, 20);  
box-shadow:4px 4px 4px 4px rgb(237, 20,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3015, 18.5553, 2.3828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 20, 20) }
```

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

```
.background{ background-color: rgb(237, 20,  
20) }
```

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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