

Converting Colors

XYZ(35.1653, 18.1064, 2.6380)

Have a look what the booklet for
XYZ(35.1653, 18.1064, 2.6380)
contains.

XYZ(35.1115, 18.0791, 2.6163)	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(35.1115, 18.0791,
2.6163)**

Conversions

Conversions Part 1

Format	Color
Hex	ED001A
RGB	237, 0, 26
RGB Percent	93%, 0%, 10%
CMY	0.0706, 0.9998, 0.8980
CMYK	0.00, 1.00, 0.89, 0.07
HSL	353°, 100%, 46%
HSV	353°, 100%, 93%
XYZ	35.1115, 18.0791, 2.6163
YIQ	73.8270, 132.9060, 58.3300

Conversions

Conversions Part 2

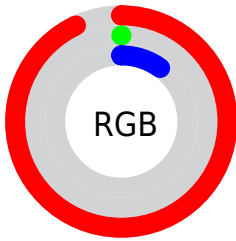
Format	Color
RYB	237, 0, 26
Decimal	15532058
CIELab	49.59, 76.04, 55.38
CIELCh	50, 94.066, 36.065
Yxy	18.0791, 0.6292, 0.3240
Android (android.graphics.Color)	4293722138 (0xFFED001A)
YUV	73.8270, -23.5787, 143.1027
Hunter-Lab	42.5195, 72.9914, 26.1155

Details

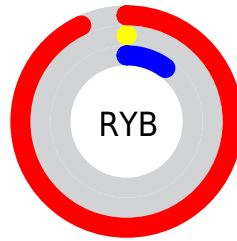
The XYZ color **35.1115, 18.0791, 2.6163** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **42.0499, 65.2744, 72.0496**, and the grayscale version is **6.5080, 6.8469, 7.4563**.

A 20% lighter version of the original color is **46.3904, 29.5831, 9.7436**, and **16.7946, 8.6579, 0.7860** is the 20% darker color. If you saturate the color by 10%, you get **35.1106, 18.0787, 2.6132**, and if you desaturate by 10%, it is **35.7617, 18.8539, 4.4548**.

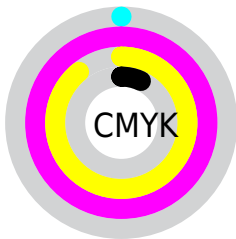
Distribution



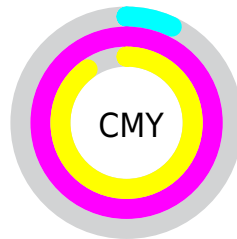
- Red (93%)
- Green (0%)
- Blue (10%)



- Red (93%)
- Yellow (0%)
- Blue (10%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.1115, 18.0791, 2.6163 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 35.1115, 18.0791, 2.6163 by changing the saturation by 10% instead.

 35.1115, 18.0791,
2.6163


 35.1115, 18.0791,
2.6163


316.5596,
241.3165, 131.3127


 23.9157, 11.0068,
0.9009


 66.9913, 40.1721,
10.6660


 15.3955, 6.0714,
0.0000


 88.4061, 55.9615,
17.8387

 9.1855, 2.8885,
0.0000


 113.9579, 75.4255,
27.6680

 4.9205, 1.0738,
0.0000

 144.0120, 98.9483,
40.5724

 2.2350, 0.0000,
0.0000

 178.9339,
126.9144, 56.9706


 0.7611, 0.0000,
0.0000


 219.0889,


 0.0000, 0.0000,


159.7082, 77.2810


0.0000

 264.8424,
197.7141, 101.9222

 35.1115, 18.0791,
2.6163


 35.1115, 18.0791,
2.6163


 35.1106, 18.0787,
2.6132

 35.7617, 18.8539,
4.4548

 37.0096, 20.4943,
7.5078

 39.0047, 23.2578,
11.9543

 41.8418, 27.2985,
17.9362

 45.6018, 32.7464,
25.5775

■ 50.3558, 39.7154,
34.9895

■ 56.1680, 48.3078,
46.2740

■ 63.0970, 58.6169,
59.5248

■ 71.1973, 70.7289,
74.8296

Harmonies

Analogous

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



40.5046, 18.0791, 14.9380



35.1115, 18.0791, 2.6163



25.1237, 18.0791, 0.0000

Triad

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



35.1115, 18.0791, 2.6163



5.7910, 18.0791, 5.7250



19.0602, 18.0791, 120.0731

Complementary

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



35.1115, 18.0791, 2.6163



42.0499, 65.2744, 72.0496

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.



11.1221, 18.0791, 107.3654



35.1115, 18.0791, 2.6163



5.1485, 18.0791, 25.3442

Square

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



35.1115, 18.0791, 2.6163



8.9350, 18.0791, 0.6617



6.7136, 18.0791, 65.0741



29.3877, 18.0791, 92.0744

Rectangle

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



35.1115, 18.0791, 2.6163



18.3879, 18.0791, 0.0000



6.7136, 18.0791, 65.0741



16.0332, 18.0791, 120.6050

Sweetspot

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



35.1119, 18.0803, 2.6165



66.2164, 56.8826, 54.4332



41.6820, 19.7230, 81.7302



13.5193, 11.2070, 10.3874



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.



35.1119, 18.0803, 2.6165



41.4486, 21.3434, 3.0286



38.6565, 25.4673, 2.8800



15.1325, 15.0809, 15.9831



19.1925, 9.8797, 1.5489



1.5294, 0.7847, 0.2392

Inverse Universe

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



35.1119, 18.0803, 2.6165



41.4486, 21.3434, 3.0286



25.5922, 26.7257, 83.9299



15.1325, 15.0809, 15.9831



19.1925, 9.8797, 1.5489



1.5294, 0.7847, 0.2392

Previews

White Background



This preview shows how the XYZ color 35.1115, 18.0791, 2.6163 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



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 35.1115, 18.0791, 2.6163

Background



This preview shows how black text looks on a background with the XYZ color 35.1115, 18.0791, 2.6163.



This preview shows how white text looks on a background with the XYZ color 35.1115, 18.0791,

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

35.1115, 18.0791, 2.6163

Protanopia

16.9024, 18.6247, 5.3934

Deuteranopia

18.7798, 18.6139, 2.6030



Tritanopia

34.5479, 18.2360, 1.6990

Trichromacy



Original Color

35.1115, 18.0791, 2.6163

Protanomaly

19.7452, 13.9733, 3.5759

Deuteranomaly

21.7233, 14.7299, 1.9567

Tritanomaly

34.7984, 18.1667, 1.9309

Monochromacy



Original Color

35.1115, 18.0791, 2.6163

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.4279, 7.3150, 4.6805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.1115, 18.0791, 2.6163 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, 0, 26)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 26)  
}
```

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, 0, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 26) }
```

Border

The CSS property to change the border of an element to XYZ 35.1115, 18.0791, 2.6163 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, 0, 26) }
```


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

```
.border{ border-color:rgb(237, 0, 26) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 26);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 26)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.1115, 18.0791, 2.6163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 26) }
```

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

```
.background{ background-color: rgb(237, 0,  
26) }
```

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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