

Converting Colors

XYZ(35.7231, 18.6590, 3.1751)

Have a look what the booklet for
XYZ(35.7231, 18.6590, 3.1751)
contains.

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Color

**XYZ(35.7197, 18.6575,
3.1575)**

Conversions

Conversions Part 1

Format	Color
Hex	EE1021
RGB	238, 16, 33
RGB Percent	93%, 6%, 13%
CMY	0.0667, 0.9371, 0.8706
CMYK	0.00, 0.93, 0.86, 0.07
HSL	355°, 87%, 50%
HSV	355°, 93%, 93%
XYZ	35.7197, 18.6575, 3.1575
YIQ	84.3160, 126.8550, 52.3510

Conversions

Conversions Part 2

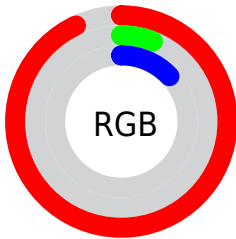
Format	Color
R_{YB}	238, 16, 33
Decimal	15601697
CIE _{Lab}	50.28, 75.11, 52.84
CIE _{LCh}	50, 91.837, 35.123
Yxy	18.6575, 0.6208, 0.3243
Android (android.graphics.Color)	4293791777 (0xFFEE1021)
YUV	84.3160, -25.2988, 134.7809
Hunter-Lab	43.1943, 72.0211, 25.9019

Details

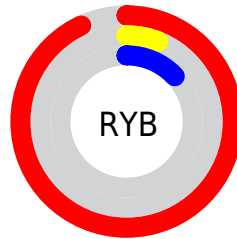
The XYZ color **35.7197, 18.6575, 3.1575** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **43.8454, 66.4818, 78.9571**, and the grayscale version is **8.5293, 8.9735, 9.7722**.

A 20% lighter version of the original color is **46.9627, 30.3886, 10.9798**, and **17.0133, 8.7707, 0.7962** is the 20% darker color. If you saturate the color by 10%, you get **35.3703, 18.2213, 2.2330**, and if you desaturate by 10%, it is **36.7023, 19.9597, 5.5304**.

Distribution



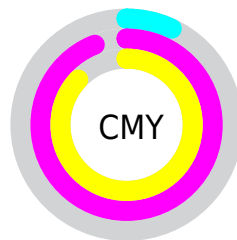
- Red (93%)
- Green (6%)
- Blue (13%)



- Red (93%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (93%)
- Yellow (86%)
- Black (7%)





- Cyan (7%)
- Magenta (94%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7197, 18.6575, 3.1575 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 35.7197, 18.6575, 3.1575 by changing the saturation by 10% instead.

 35.7197, 18.6575,
3.1575


 35.7197, 18.6575,
3.1575


319.1864,
244.5514, 138.3420


 24.3869, 11.4231,
1.1756


 67.9259, 41.1545,
12.0147

 15.7472, 6.3521,
0.0000


 89.5300, 57.1859,
19.7270

 9.4351, 3.0604,
0.0000


 115.2886, 76.9184,
30.1866

 5.0854, 1.1633,
0.0000

 145.5671,
100.7365, 43.8120

 2.3328, 0.0314,
0.0000

 180.7307,
129.0244, 61.0217


 0.8113, 0.0000,
0.0000


 221.1449,


 0.0000, 0.0000,


162.1665, 82.2342


0.0000


 267.1750,
200.5474, 107.8681


 35.7197, 18.6575,
3.1575


 35.7197, 18.6575,
3.1575


 35.3703, 18.2213,
2.2330

 36.7023, 19.9597,
5.5304

 38.4113, 22.3390,
9.3019

 40.9534, 25.9652,
14.6441

 44.4174, 30.9777,
21.7041

 48.8807, 37.4974,
30.6119

■ 54.4124, 45.6320,
41.4852

■ 61.0755, 55.4793,
54.4316

■ 68.9283, 67.1294,
69.5511

■ 78.0246, 80.6661,
86.9373

Harmonies

Analogous

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



40.8004, 18.6575, 16.2478



35.7197, 18.6575, 3.1575



25.9436, 18.6575, 0.2364

Triad

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



35.7197, 18.6575, 3.1575



6.3038, 18.6575, 5.8925



19.3047, 18.6575, 118.5518

Complementary

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



35.7197, 18.6575, 3.1575



43.8454, 66.4818, 78.9571

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.



11.4686, 18.6575, 105.0080



35.7197, 18.6575, 3.1575



5.5722, 18.6575, 25.0096

Square

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



35.7197, 18.6575, 3.1575



9.6022, 18.6575, 0.8097



7.1016, 18.6575, 63.5267



29.5036, 18.6575, 92.4687

Rectangle

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



35.7197, 18.6575, 3.1575



19.2272, 18.6575, 0.0000



7.1016, 18.6575, 63.5267



16.3190, 18.6575, 118.6113

Sweetspot

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



35.7201, 18.6587, 3.1578



67.4888, 59.0515, 56.0165



44.9834, 21.6831, 82.7027



13.7483, 11.6102, 10.6325



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.



35.7201, 18.6587, 3.1578



41.3617, 21.3087, 2.5709



40.7716, 29.0508, 3.9504



15.8218, 15.7784, 16.6178



19.7509, 10.1728, 1.3390



1.6600, 0.8530, 0.2002

Inverse Universe

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



35.7201, 18.6587, 3.1578



41.3617, 21.3087, 2.5709



25.8516, 26.6929, 84.6780



15.8218, 15.7784, 16.6178



19.7509, 10.1728, 1.3390



1.6600, 0.8530, 0.2002

Previews

White Background



This preview shows how the XYZ color 35.7197, 18.6575, 3.1575 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 35.7197, 18.6575, 3.1575 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 35.7197, 18.6575, 3.1575

Background



This preview shows how black text looks on a background with the XYZ color 35.7197, 18.6575, 3.1575.



This preview shows how white text looks on a background with the XYZ color 35.7197, 18.6575,

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

35.7197, 18.6575, 3.1575

Protanopia

17.3585, 19.0189, 6.3706

Deuteranopia

19.2676, 19.0338, 2.6584



Tritanopia

35.5281, 18.7135, 1.7395

Trichromacy



Original Color

35.7197, 18.6575, 3.1575

Protanomaly

20.6196, 15.1624, 4.5292

Deuteranomaly

22.6295, 15.8089, 2.2065

Tritanomaly

35.5591, 18.6694, 2.0772

Monochromacy



Original Color

35.7197, 18.6575, 3.1575

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

13.3333, 9.0850, 6.0519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7197, 18.6575, 3.1575 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(238, 16, 33)` looks like.

```
.text, #text, p{  
    color:rgb(238, 16, 33)  
}
```

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(238, 16, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 16, 33) }
```

Border

The CSS property to change the border of an element to XYZ 35.7197, 18.6575, 3.1575 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(238, 16, 33) }
```


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

```
.border{ border-color:rgb(238, 16, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 16, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 16, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 16, 33);  
box-shadow:4px 4px 4px 4px rgb(238, 16,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7197, 18.6575, 3.1575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 16, 33) }
```

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

```
.background{ background-color: rgb(238, 16,  
33) }
```

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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