

Converting Colors

XYZ(35.4971, 18.2391, 4.3851)

Have a look what the booklet for
XYZ(35.4971, 18.2391, 4.3851)
contains.

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Color

**XYZ(35.4381, 18.2098,
4.3364)**

Conversions

Conversions Part 1

Format	Color
Hex	ED002F
RGB	237, 0, 47
RGB Percent	93%, 0%, 18%
CMY	0.0706, 0.9998, 0.8157
CMYK	0.00, 1.00, 0.80, 0.07
HSL	348°, 100%, 46%
HSV	348°, 100%, 93%
XYZ	35.4381, 18.2098, 4.3364
YIQ	76.2210, 126.1650, 64.8610

Conversions

Conversions Part 2

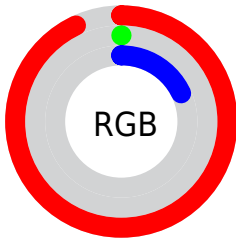
Format	Color
R_{YB}	237, 0, 47
Decimal	15532079
CIE _{Lab}	49.75, 76.47, 45.06
CIE _{LCh}	50, 88.758, 30.510
Yxy	18.2098, 0.6112, 0.3140
Android (android.graphics.Color)	4293722159 (0xFFED002F)
YUV	76.2210, -14.4060, 141.0032
Hunter-Lab	42.6729, 73.5592, 23.8460

Details

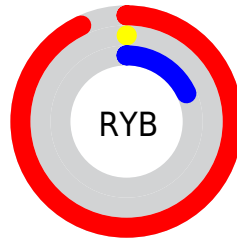
The XYZ color **35.4381, 18.2098, 4.3364** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **39.5857, 64.2886, 59.0732**, and the grayscale version is **6.9258, 7.2865, 7.9350**.

A 20% lighter version of the original color is **47.1747, 29.8969, 13.8740**, and **16.8110, 8.6645, 0.8725** is the 20% darker color. If you saturate the color by 10%, you get **35.4368, 18.2092, 4.3310**, and if you desaturate by 10%, it is **36.2300, 19.0413, 6.9209**.

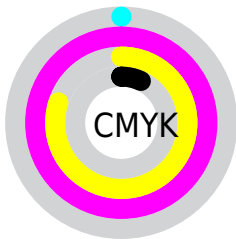
Distribution



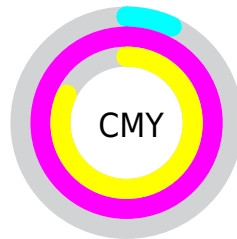
- Red (93%)
- Green (0%)
- Blue (18%)



- Red (93%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4381, 18.2098, 4.3364 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 35.4381, 18.2098, 4.3364 by changing the saturation by 10% instead.

 35.4381, 18.2098,
4.3364


 35.4381, 18.2098,
4.3364


317.9721,
242.0509, 151.8941


 24.1686, 11.1007,
1.8116


 67.4935, 40.3945,
14.7785


 15.5842, 6.1346,
0.4356


 89.0101, 56.2389,
23.5328


 9.3194, 2.9271,
0.0000


 114.6731, 75.7639,
35.2008

 5.0088, 1.0938,
0.0000

 144.8479, 99.3538,
50.2010

 2.2873, 0.0000,
0.0000

 179.8999,
127.3931, 68.9519

 0.7881, 0.0000,
0.0000

 220.1943,

 0.0000, 0.0000,

160.2661, 91.8720

0.0000

266.0966,
198.3572, 119.3799

■ 35.4381, 18.2098,
4.3364

■ 35.4381, 18.2098,
4.3364

■ 35.4368, 18.2092,
4.3310

■ 36.2300, 19.0413,
6.9209

■ 37.5999, 20.7307,
10.6162

■ 39.6878, 23.5314,
15.5510

■ 42.5810, 27.5947,
21.8276

■ 46.3540, 33.0480,
29.5369

■ 51.0726, 40.0029,
38.7617

■ 56.7960, 48.5600,
49.5783

■ 63.5786, 58.8107,
62.0579

■ 71.4710, 70.8398,
76.2670

Harmonies

Analogous

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



39.1930, 18.2098, 19.4155



35.4381, 18.2098, 4.3364



26.6105, 18.2098, 0.5954

Triad

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



35.4381, 18.2098, 4.3364



6.6611, 18.2098, 4.6024



17.4531, 18.2098, 112.3746

Complementary

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



35.4381, 18.2098, 4.3364



39.5857, 64.2886, 59.0732

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.



10.4735, 18.2098, 94.2701



35.4381, 18.2098, 4.3364



5.6077, 18.2098, 20.2450

Square

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



35.4381, 18.2098, 4.3364



10.2951, 18.2098, 0.6507



6.7380, 18.2098, 54.1158



26.9461, 18.2098, 93.1023

Rectangle

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



35.4381, 18.2098, 4.3364



20.1298, 18.2098, 0.0000



6.7380, 18.2098, 54.1158



14.7628, 18.2098, 110.3665

Sweetspot

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



35.4385, 18.2110, 4.3366



66.9589, 57.1797, 58.3435



36.4250, 17.0130, 81.4840



13.6894, 11.2750, 11.2830



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.



35.4385, 18.2110, 4.3366



41.8269, 21.4948, 5.0207



37.1875, 22.5293, 2.3904



15.1874, 15.1028, 16.2724



19.3842, 9.9564, 2.5585



1.5554, 0.7951, 0.3763

Inverse Universe

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



35.4385, 18.2110, 4.3366



41.8269, 21.4948, 5.0207



28.9081, 33.3575, 85.0350



15.1874, 15.1028, 16.2724



19.3842, 9.9564, 2.5585



1.5554, 0.7951, 0.3763

Previews

White Background



This preview shows how the XYZ color 35.4381, 18.2098, 4.3364 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



This preview shows how the XYZ color 35.4381, 18.2098, 4.3364 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 35.4381, 18.2098, 4.3364

Background



This preview shows how black text looks on a background with the XYZ color 35.4381, 18.2098, 4.3364.



This preview shows how white text looks on a background with the XYZ color 35.4381, 18.2098,

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

35.4381, 18.2098, 4.3364

Protanopia

17.2791, 18.7393, 9.0097

Deuteranopia

19.0016, 18.7026, 3.7709



Tritanopia

34.8602, 18.3692, 1.7083

Trichromacy



Original Color

35.4381, 18.2098, 4.3364

Protanomaly

20.0874, 14.0851, 6.5105

Deuteranomaly

21.9924, 14.8375, 3.3739

Tritanomaly

34.8372, 18.1612, 2.1996

Monochromacy



Original Color

35.4381, 18.2098, 4.3364

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

12.0028, 7.6465, 5.8443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4381, 18.2098, 4.3364 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 47) }
```

Border

The CSS property to change the border of an element to XYZ 35.4381, 18.2098, 4.3364 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, 47) }
```


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

```
.border{ border-color:rgb(237, 0, 47) }
```

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, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 47)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.4381, 18.2098, 4.3364 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, 47) }
```

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

```
.background{ background-color: rgb(237, 0,  
47) }
```

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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