

Converting Colors

XYZ(35.5331, 18.2491, 4.8288)

Have a look what the booklet for
XYZ(35.5331, 18.2491, 4.8288)
contains.

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Color

**XYZ(35.5226, 18.2435,
4.7811)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0033
RGB	237, 0, 51
RGB Percent	93%, 0%, 20%
CMY	0.0706, 0.9998, 0.8000
CMYK	0.00, 1.00, 0.78, 0.07
HSL	347°, 100%, 46%
HSV	347°, 100%, 93%
XYZ	35.5226, 18.2435, 4.7811
YIQ	76.6770, 124.8810, 66.1050

Conversions

Conversions Part 2

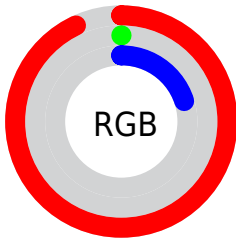
Format	Color
RYB	237, 0, 51
Decimal	15532083
CIELab	49.79, 76.58, 42.87
CIElCh	50, 87.763, 29.242
Yxy	18.2435, 0.6067, 0.3116
Android (android.graphics.Color)	4293722163 (0xFFED0033)
YUV	76.6770, -12.6588, 140.6033
Hunter-Lab	42.7124, 73.7063, 23.2619

Details

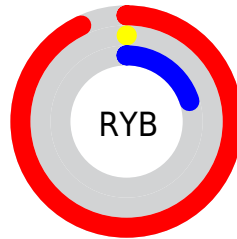
The XYZ color **35.5226, 18.2435, 4.7811** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **39.1535, 64.1159, 56.7973**, and the grayscale version is **7.0064, 7.3712, 8.0273**.

A 20% lighter version of the original color is **47.3590, 29.9705, 14.8441**, and **16.8384, 8.6755, 1.0168** is the 20% darker color. If you saturate the color by 10%, you get **35.5214, 18.2430, 4.7760**, and if you desaturate by 10%, it is **36.3395, 19.0849, 7.4976**.

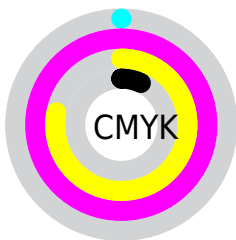
Distribution



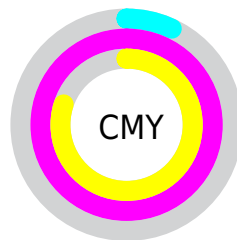
- Red (93%)
- Green (0%)
- Blue (20%)



- Red (93%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5226, 18.2435, 4.7811 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 35.5226, 18.2435, 4.7811 by changing the saturation by 10% instead.


 35.5226, 18.2435,
4.7811


 35.5226, 18.2435,
4.7811


318.3368,
242.2400, 156.5475


 24.2341, 11.1249,
2.0629


 67.6233, 40.4518,
15.7745


 15.6331, 6.1509,
0.5936


 89.1662, 56.3104,
24.8869


 9.3541, 2.9371,
0.0000


 114.8579, 75.8510,
36.9677

 5.0318, 1.0990,
0.0000

 145.0639, 99.4582,
52.4355

 2.3009, 0.0000,
0.0000

 180.1494,
127.5163, 71.7088

 0.7951, 0.0000,
0.0000

 220.4798,

 0.0000, 0.0000,

160.4097, 95.2062

0.0000

266.4205,
198.5228, 123.3463

■ 35.5226, 18.2435,
4.7811

■ 35.5226, 18.2435,
4.7811

■ 35.5214, 18.2430,
4.7760

■ 36.3395, 19.0849,
7.4976

■ 37.7298, 20.7822,
11.3008

■ 39.8321, 23.5885,
16.3122

■ 42.7326, 27.6544,
22.6279

■ 46.5047, 33.1070,
30.3337

■ 51.2135, 40.0578,
39.5079

■ 56.9173, 48.6067,
50.2226

■ 63.6700, 58.8450,
62.5452

■ 71.5213, 70.8573,
76.5389

Harmonies

Analogous

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



38.9333, 18.2435, 20.4803



35.5226, 18.2435, 4.7811



26.9452, 18.2435, 0.7290

Triad

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



35.5226, 18.2435, 4.7811



6.8584, 18.2435, 4.3838



17.1278, 18.2435, 110.8329

Complementary

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



35.5226, 18.2435, 4.7811



39.1535, 64.1159, 56.7973

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.



10.3409, 18.2435, 91.6676



35.5226, 18.2435, 4.7811



5.7097, 18.2435, 19.2603

Square

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



35.5226, 18.2435, 4.7811



10.6045, 18.2435, 0.6478



6.7442, 18.2435, 51.9728



26.4533, 18.2435, 93.3688

Rectangle

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



35.5226, 18.2435, 4.7811



20.5220, 18.2435, 0.0000



6.7442, 18.2435, 51.9728



14.5050, 18.2435, 108.3156

Sweetspot

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



35.5230, 18.2447, 4.7813



67.1045, 57.2379, 59.1101



35.4542, 16.5124, 81.4388



13.7229, 11.2884, 11.4595



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.



35.5230, 18.2447, 4.7813



41.9254, 21.5342, 5.5394



36.9436, 22.0415, 2.3089



15.1980, 15.1071, 16.3280



19.4328, 9.9758, 2.8144



1.5607, 0.7972, 0.4041

Inverse Universe

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



35.5230, 18.2447, 4.7813



41.9254, 21.5342, 5.5394



29.6362, 34.8138, 85.2780



15.1980, 15.1071, 16.3280



19.4328, 9.9758, 2.8144



1.5607, 0.7972, 0.4041

Previews

White Background



This preview shows how the XYZ color 35.5226, 18.2435, 4.7811 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 35.5226, 18.2435, 4.7811 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 35.5226, 18.2435, 4.7811

Background



This preview shows how black text looks on a background with the XYZ color 35.5226, 18.2435, 4.7811.



This preview shows how white text looks on a background with the XYZ color 35.5226, 18.2435,

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

35.5226, 18.2435, 4.7811

Protanopia

17.4517, 18.8083, 9.9183

Deuteranopia

19.0832, 18.7353, 4.2006



Tritanopia

34.8986, 18.3845, 1.9102

Trichromacy



Original Color

35.5226, 18.2435, 4.7811



Protanomaly

20.2054, 14.1323, 7.1317



Deuteranomaly

22.0742, 14.8703, 3.8046



Tritanomaly

34.8906, 18.1826, 2.4813

Monochromacy



Original Color

35.5226, 18.2435, 4.7811



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

12.1334, 7.7649, 6.3281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5226, 18.2435, 4.7811 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, 51)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 51)  
}
```

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, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 51) }
```

Border

The CSS property to change the border of an element to XYZ 35.5226, 18.2435, 4.7811 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, 51) }
```


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

```
.border{ border-color:rgb(237, 0, 51) }
```

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, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 51);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 51)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.5226, 18.2435, 4.7811 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, 51) }
```

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

```
.background{ background-color: rgb(237, 0,  
51) }
```

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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