

Converting Colors

XYZ(33.4882, 13.9723, 4.5152)

Have a look what the booklet for
XYZ(33.4882, 13.9723, 4.5152)
contains.

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Color

**XYZ(35.6146, 18.2804,
5.2658)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0037
RGB	237, 0, 55
RGB Percent	93%, 0%, 22%
CMY	0.0706, 0.9998, 0.7843
CMYK	0.00, 1.00, 0.77, 0.07
HSL	346°, 100%, 46%
HSV	346°, 100%, 93%
XYZ	35.6146, 18.2804, 5.2658
YIQ	77.1330, 123.5970, 67.3490

Conversions

Conversions Part 2

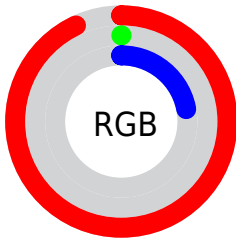
Format	Color
R_{YB}	237, 0, 55
Decimal	15532087
CIE _{Lab}	49.83, 76.70, 40.64
CIE _{LCh}	50, 86.801, 27.918
Yxy	18.2804, 0.6020, 0.3090
Android (android.graphics.Color)	4293722167 (0xFFED0037)
YUV	77.1330, -10.9116, 140.2034
Hunter-Lab	42.7556, 73.8649, 22.6267

Details

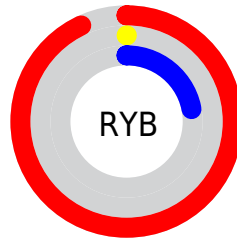
The XYZ color **35.6146, 18.2804, 5.2658** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **38.7346, 63.9482, 54.5912**, and the grayscale version is **7.0888, 7.4580, 8.1218**.

A 20% lighter version of the original color is **47.5526, 30.0480, 15.8639**, and **16.8672, 8.6870, 1.1685** is the 20% darker color. If you saturate the color by 10%, you get **35.6132, 18.2797, 5.2597**, and if you desaturate by 10%, it is **36.4559, 19.1317, 8.1104**.

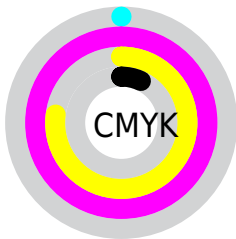
Distribution



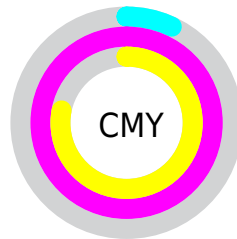
- Red (93%)
- Green (0%)
- Blue (22%)



- Red (93%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (7%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.6146, 18.2804, 5.2658 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 35.6146, 18.2804, 5.2658 by changing the saturation by 10% instead.


 35.6146, 18.2804,
5.2658


 35.6146, 18.2804,
5.2658


318.7336,
242.4468, 161.3988


 24.3054, 11.1515,
2.3426


 67.7646, 40.5145,
16.8374


 15.6863, 6.1688,
0.7549


 89.3361, 56.3886,
26.3228


 9.3919, 2.9480,
0.0000


 115.0590, 75.9464,
38.8328

 5.0568, 1.1046,
0.0000

 145.2988, 99.5725,
54.7857

 2.3157, 0.0000,
0.0000

 180.4209,
127.6511, 74.6003

 0.8027, 0.0000,
0.0000

 220.7904,

 0.0000, 0.0000,

160.5668, 98.6950

0.0000

266.7729,
198.7039, 127.4883

■ 35.6146, 18.2804,
5.2658

■ 35.6146, 18.2804,
5.2658

■ 35.6132, 18.2797,
5.2597

■ 36.4559, 19.1317,
8.1104

■ 37.8659, 20.8370,
12.0167

■ 39.9819, 23.6490,
17.0995

■ 42.8890, 27.7178,
23.4493

■ 46.6598, 33.1702,
31.1472

■ 51.3584, 40.1172,
40.2668

■ 57.0425, 48.6585,
50.8767

■ 63.7652, 58.8852,
63.0406

■ 71.5757, 70.8815,
76.8185

Harmonies

Analogous

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



38.6756, 18.2804, 21.6098



35.6146, 18.2804, 5.2658



27.2938, 18.2804, 0.8653

Triad

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



35.6146, 18.2804, 5.2658



7.0644, 18.2804, 4.1682



16.8021, 18.2804, 109.2934

Complementary

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



35.6146, 18.2804, 5.2658



38.7346, 63.9482, 54.5912

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.



10.2078, 18.2804, 89.0764



35.6146, 18.2804, 5.2658



5.8157, 18.2804, 18.2909

Square

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



35.6146, 18.2804, 5.2658



10.9279, 18.2804, 0.6448



6.7512, 18.2804, 49.8524



25.9603, 18.2804, 93.6581

Rectangle

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



35.6146, 18.2804, 5.2658



20.9305, 18.2804, 0.0730



6.7512, 18.2804, 49.8524



14.2468, 18.2804, 106.2674

Sweetspot

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



35.6150, 18.2816, 5.2660



67.2510, 57.2965, 59.8813



34.5105, 16.0260, 81.3944



13.7567, 11.3019, 11.6373



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.



35.6150, 18.2816, 5.2660



42.0327, 21.5771, 6.1042



36.7162, 21.5868, 2.2333



15.2086, 15.1113, 16.3835



19.4853, 9.9968, 3.0911



1.5662, 0.7995, 0.4331

Inverse Universe

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



35.6150, 18.2816, 5.2660



42.0327, 21.5771, 6.1042



30.3873, 36.3159, 85.5281



15.2086, 15.1113, 16.3835



19.4853, 9.9968, 3.0911



1.5662, 0.7995, 0.4331

Previews

White Background



This preview shows how the XYZ color 35.6146, 18.2804, 5.2658 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 35.6146, 18.2804, 5.2658 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 35.6146, 18.2804, 5.2658

Background



This preview shows how black text looks on a background with the XYZ color 35.6146, 18.2804, 5.2658.



This preview shows how white text looks on a background with the XYZ color 35.6146, 18.2804,

5.2658.

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

35.6146, 18.2804, 5.2658

Protanopia

17.5226, 18.8189, 11.0964

Deuteranopia

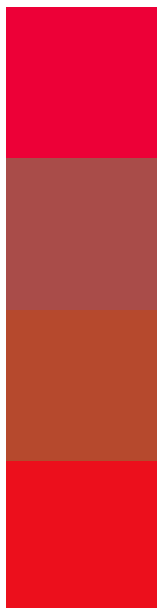
18.9780, 18.6719, 4.6113



Tritanopia

34.9648, 18.4722, 2.0705

Trichromacy



Original Color

35.6146, 18.2804, 5.2658

Protanomaly

20.1492, 14.0849, 7.9600

Deuteranomaly

22.1476, 14.8996, 4.1912

Tritanomaly

34.9725, 18.2584, 2.7796

Monochromacy



Original Color

35.6146, 18.2804, 5.2658

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.1642, 7.7772, 6.4903

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6146, 18.2804, 5.2658 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 55) }
```

Border

The CSS property to change the border of an element to XYZ 35.6146, 18.2804, 5.2658 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, 55) }
```


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

```
.border{ border-color:rgb(237, 0, 55) }
```

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, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 55);  
box-shadow:4px 4px 4px 4px rgb(237, 0, 55)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.6146, 18.2804, 5.2658 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, 55) }
```

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

```
.background{ background-color: rgb(237, 0,  
55) }
```

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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