

Converting Colors

XYZ(32.5076, 15.2936, 5.7980)

Have a look what the booklet for
XYZ(32.5076, 15.2936, 5.7980)
contains.

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Color

**XYZ(33.5026, 17.1708,
6.1059)**

Conversions

Conversions Part 1

Format	Color
Hex	E6003E
RGB	230, 0, 62
RGB Percent	90%, 0%, 24%
CMY	0.0980, 0.9998, 0.7569
CMYK	0.00, 1.00, 0.73, 0.10
HSL	344°, 100%, 45%
HSV	344°, 100%, 90%
XYZ	33.5026, 17.1708, 6.1059
YIQ	75.8380, 117.1780, 68.0420

Conversions

Conversions Part 2

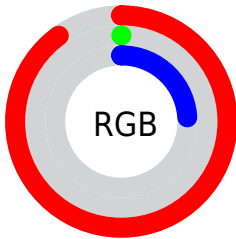
Format	Color
RYB	230, 0, 62
Decimal	15073342
CIELab	48.47, 75.29, 34.61
CIELCh	48, 82.863, 24.688
Yxy	17.1708, 0.5900, 0.3024
Android (android.graphics.Color)	4293263422 (0xFFE6003E)
YUV	75.8380, -6.8221, 135.2001
Hunter-Lab	41.4377, 71.8024, 20.2699

Details

The XYZ color **33.5026, 17.1708, 6.1059** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.3704, 59.4228, 46.6785**, and the grayscale version is **6.8426, 7.1989, 7.8396**.

A 20% lighter version of the original color is **47.8275, 30.0184, 17.7413**, and **15.6524, 8.0535, 1.4390** is the 20% darker color. If you saturate the color by 10%, you get **33.5012, 17.1702, 6.1000**, and if you desaturate by 10%, it is **34.3445, 17.9996, 9.0239**.

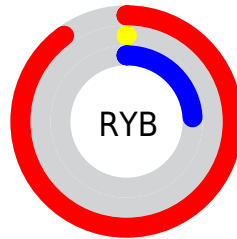
Distribution



Red (90%)

Green (0%)

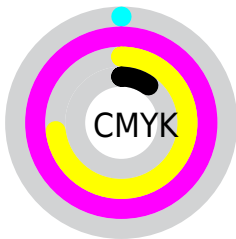
Blue (24%)



Red (90%)

Yellow (0%)

Blue (24%)

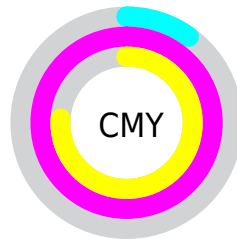


Cyan (0%)

Magenta (100%)

Yellow (73%)

Black (10%)



Cyan (10%)


Magenta (100%)


Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5026, 17.1708, 6.1059 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 33.5026, 17.1708, 6.1059 by changing the saturation by 10% instead.


 33.5026, 17.1708,
6.1059


 33.5026, 17.1708,
6.1059


309.5335,
236.1547, 169.3514


 22.6728, 10.3563,
2.8398


 64.5089, 38.6192,
18.6318


 14.4715, 5.6359,
1.0134


 85.4161, 54.0219,
28.7285


 8.5332, 2.6249,
0.0000


 110.4131, 73.0562,
41.9393

 4.4926, 0.9392,
0.0000

 139.8654, 96.1065,
58.6826

 1.9844, 0.0000,
0.0000

 174.1382,
123.5570, 79.3768

 0.6252, 0.0000,
0.0000

 213.5969,

 0.0000, 0.0000,

155.7923, 104.4407

0.0000

258.6069,
193.1968, 134.2927

■ 33.5026, 17.1708,
6.1059

■ 33.5026, 17.1708,
6.1059

■ 33.5012, 17.1702,
6.1000

■ 34.3445, 17.9996,
9.0239

■ 35.7054, 19.6186,
12.8768

■ 37.7121, 22.2651,
17.7598

■ 40.4417, 26.0776,
23.7463

■ 43.9599, 31.1731,
30.9024

■ 48.3245, 37.6539,
39.2888

■ 53.5879, 45.6123,
48.9614

■ 59.7981, 55.1323,
59.9728

■ 66.9995, 66.2916,
72.3725

Harmonies

Analogous

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



35.5990, 17.1708, 22.8399



33.5026, 17.1708, 6.1059



26.2967, 17.1708, 1.1238

Triad

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



33.5026, 17.1708, 6.1059



7.0710, 17.1708, 3.4465



15.0058, 17.1708, 98.8693

Complementary

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



33.5026, 17.1708, 6.1059



35.3704, 59.4228, 46.6785

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.



9.2527, 17.1708, 77.7741



33.5026, 17.1708, 6.1059



5.6728, 17.1708, 15.0865

Square

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



33.5026, 17.1708, 6.1059



10.9506, 17.1708, 0.5794



6.3250, 17.1708, 42.1604



23.2088, 17.1708, 88.2213

Rectangle

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



33.5026, 17.1708, 6.1059



20.4869, 17.1708, 0.2555



6.3250, 17.1708, 42.1604



12.7608, 17.1708, 94.9621

Sweetspot

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



33.5030, 17.1719, 6.1061



67.5814, 57.4287, 61.6216



29.7690, 13.6975, 75.9372



13.8331, 11.3325, 12.0397



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.



33.5030, 17.1719, 6.1061



42.3047, 21.6859, 7.5366



33.7685, 19.0937, 1.9073



14.5357, 14.4315, 15.7552



19.0103, 9.7383, 3.6833



1.4427, 0.7348, 0.4720

Inverse Universe

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



33.5030, 17.1719, 6.1061



42.3047, 21.6859, 7.5366



30.6408, 38.4280, 80.6647



14.5357, 14.4315, 15.7552



19.0103, 9.7383, 3.6833



1.4427, 0.7348, 0.4720

Previews

White Background



This preview shows how the XYZ color 33.5026, 17.1708, 6.1059 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 33.5026, 17.1708, 6.1059 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5026, 17.1708, 6.1059

Background



This preview shows how black text looks on a background with the XYZ color 33.5026, 17.1708, 6.1059.



This preview shows how white text looks on a background with the XYZ color 33.5026, 17.1708,

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

33.5026, 17.1708, 6.1059

Protanopia

16.6493, 17.7980, 12.9138

Deuteranopia

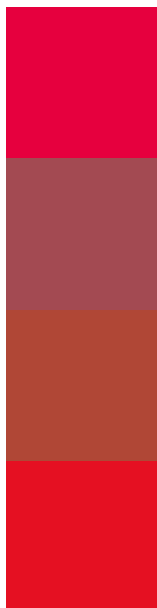
17.9372, 17.6189, 5.4730



Tritanopia

32.7699, 17.3969, 2.2030

Trichromacy



Original Color

33.5026, 17.1708, 6.1059

Protanomaly

19.0760, 13.2933, 9.5431

Deuteranomaly

20.8236, 14.0029, 5.0953

Tritanomaly

32.7871, 17.1441, 3.0944

Monochromacy



Original Color

33.5026, 17.1708, 6.1059

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.7100, 7.4744, 6.7867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5026, 17.1708, 6.1059 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(230, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(230, 0, 62)  
}
```

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(230, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 33.5026, 17.1708, 6.1059 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(230, 0, 62) }
```


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

```
.border{ border-color:rgb(230, 0, 62) }
```

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

Here you see how a box with a 4 pixel rgb(230, 0, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(230, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.5026, 17.1708, 6.1059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 0, 62) }
```

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

```
.background{ background-color: rgb(230, 0,  
62) }
```

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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