

Converting Colors

XYZ(33.1829, 17.0244, 5.2586)

Have a look what the booklet for
XYZ(33.1829, 17.0244, 5.2586)
contains.

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Color

**XYZ(33.0269, 16.9435,
5.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	E50038
RGB	229, 0, 56
RGB Percent	90%, 0%, 22%
CMY	0.1020, 0.9998, 0.7804
CMYK	0.00, 1.00, 0.76, 0.10
HSL	345°, 100%, 45%
HSV	345°, 100%, 90%
XYZ	33.0269, 16.9435, 5.2711
YIQ	74.8550, 118.5080, 65.9640

Conversions

Conversions Part 2

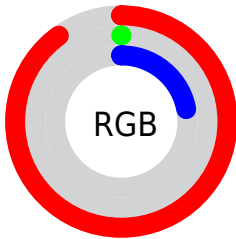
Format	Color
R_{YB}	229, 0, 56
Decimal	15007800
CIE _{Lab}	48.19, 74.84, 37.78
CIE _{LCh}	48, 83.836, 26.784
Yxy	16.9435, 0.5979, 0.3067
Android (android.graphics.Color)	4293197880 (0xFFE50038)
YUV	74.8550, -9.2955, 135.1852
Hunter-Lab	41.1625, 71.1859, 21.2213

Details

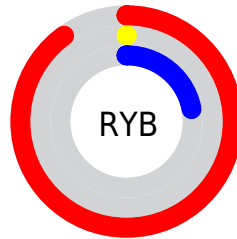
The XYZ color **33.0269, 16.9435, 5.2711** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.5676, 59.0577, 49.0861**, and the grayscale version is **6.6681, 7.0154, 7.6397**.

A 20% lighter version of the original color is **47.5153, 29.8936, 16.0977**, and **15.3961, 7.9270, 1.1705** is the 20% darker color. If you saturate the color by 10%, you get **33.0257, 16.9430, 5.2660**, and if you desaturate by 10%, it is **33.8311, 17.7539, 8.0001**.

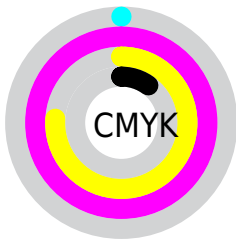
Distribution



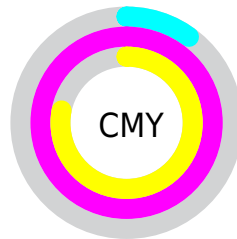
- Red (90%)
- Green (0%)
- Blue (22%)



- Red (90%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0269, 16.9435, 5.2711 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 33.0269, 16.9435, 5.2711 by changing the saturation by 10% instead.


 33.0269, 16.9435,
5.2711


 33.0269, 16.9435,
5.2711


307.4338,
234.8466, 161.4507


 22.3064, 10.1942,
2.3457


 63.7719, 38.2286,
16.8489


 14.2001, 5.5279,
0.7566


 84.5271, 53.5332,
26.3383

 8.3426, 2.5602,
0.0000


 109.3580, 72.4584,
38.8528


 4.3686, 0.9067,
0.0000

 138.6298, 95.3885,
54.8110

 1.9127, 0.0000,
0.0000

 172.7079,
122.7080, 74.6313

 0.5842, 0.0000,
0.0000

 211.9577,

 0.0000, 0.0000,

154.8013, 98.7324

0.0000

256.7445,
192.0527, 127.5326

■ 33.0269, 16.9435,
5.2711

■ 33.0269, 16.9435,
5.2711

■ 33.0257, 16.9430,
5.2660

■ 33.8311, 17.7539,
8.0001

■ 35.1556, 19.3490,
11.6910

■ 37.1279, 21.9646,
16.4456

■ 39.8255, 25.7383,
22.3434

■ 43.3143, 30.7862,
29.4557

■ 47.6527, 37.2100,
37.8476

■ 52.8934, 45.1013,
47.5793

■ 59.0846, 54.5435,
58.7072

■ 66.2712, 65.6140,
71.2844

Harmonies

Analogous

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



35.5885, 16.9435, 20.9021



33.0269, 16.9435, 5.2711



25.5285, 16.9435, 0.9051

Triad

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



33.0269, 16.9435, 5.2711



6.6992, 16.9435, 3.6940



15.2969, 16.9435, 99.9507

Complementary

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



33.0269, 16.9435, 5.2711



35.5676, 59.0577, 49.0861

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.



9.3424, 16.9435, 80.4499



33.0269, 16.9435, 5.2711



5.4640, 16.9435, 16.1950

Square

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



33.0269, 16.9435, 5.2711



10.3672, 16.9435, 0.5763



6.2519, 16.9435, 44.5248



23.6430, 16.9435, 86.8928

Rectangle

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



33.0269, 16.9435, 5.2711



19.6884, 16.9435, 0.1027



6.2519, 16.9435, 44.5248



12.9839, 16.9435, 96.7636

Sweetspot

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



33.0273, 16.9446, 5.2713



67.3604, 57.3403, 60.4576



31.1046, 14.4021, 75.2687



13.7819, 11.3120, 11.7704



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.



33.0273, 16.9446, 5.2713



42.1182, 21.6113, 6.5543



33.7907, 19.6130, 2.0062



14.5207, 14.4255, 15.6763



18.9226, 9.7032, 3.2212



1.4345, 0.7315, 0.4284

Inverse Universe

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



33.0273, 16.9446, 5.2713



42.1182, 21.6113, 6.5543



28.8508, 35.0722, 79.3773



14.5207, 14.4255, 15.6763



18.9226, 9.7032, 3.2212



1.4345, 0.7315, 0.4284

Previews

White Background



This preview shows how the XYZ color 33.0269, 16.9435, 5.2711 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



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 33.0269, 16.9435, 5.2711

Background



This preview shows how black text looks on a background with the XYZ color 33.0269, 16.9435, 5.2711.



This preview shows how white text looks on a background with the XYZ color 33.0269, 16.9435,

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

33.0269, 16.9435, 5.2711

Protanopia

16.3425, 17.5066, 11.1121

Deuteranopia

17.6890, 17.3460, 4.7013



Tritanopia

32.3806, 17.1385, 2.0169

Trichromacy



Original Color

33.0269, 16.9435, 5.2711

Protanomaly

18.7891, 13.1785, 8.0320

Deuteranomaly

20.6282, 13.8238, 4.3773

Tritanomaly

32.3875, 16.9243, 2.7221

Monochromacy



Original Color

33.0269, 16.9435, 5.2711

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

11.4604, 7.3566, 6.2848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0269, 16.9435, 5.2711 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(229, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 56)  
}
```

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(229, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 56) }
```

Border

The CSS property to change the border of an element to XYZ 33.0269, 16.9435, 5.2711 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(229, 0, 56) }
```


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

```
.border{ border-color:rgb(229, 0, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 0, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 56)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.0269, 16.9435, 5.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 56) }
```

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

```
.background{ background-color: rgb(229, 0,  
56) }
```

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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