

Converting Colors

XYZ(33.0969, 16.9900, 4.8056)

Have a look what the booklet for
XYZ(33.0969, 16.9900, 4.8056)
contains.

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Color

**XYZ(32.9329, 16.9059,
4.7762)**

Conversions

Conversions Part 1

Format	Color
Hex	E50034
RGB	229, 0, 52
RGB Percent	90%, 0%, 20%
CMY	0.1020, 0.9998, 0.7961
CMYK	0.00, 1.00, 0.77, 0.10
HSL	346°, 100%, 45%
HSV	346°, 100%, 90%
XYZ	32.9329, 16.9059, 4.7762
YIQ	74.3990, 119.7920, 64.7200

Conversions

Conversions Part 2

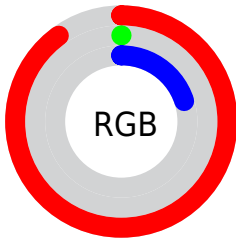
Format	Color
R_{YB}	229, 0, 52
Decimal	15007796
CIE Lab	48.14, 74.71, 40.05
CIE LCh	48, 84.772, 28.196
Yxy	16.9059, 0.6030, 0.3095
Android (android.graphics.Color)	4293197876 (0xFFE50034)
YUV	74.3990, -11.0427, 135.5851
Hunter-Lab	41.1168, 71.0170, 21.8945

Details

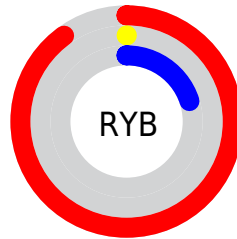
The XYZ color **32.9329, 16.9059, 4.7762** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **35.9608, 59.2150, 51.1566**, and the grayscale version is **6.5892, 6.9323, 7.5493**.

A 20% lighter version of the original color is **47.3193, 29.8151, 15.0653**, and **15.3646, 7.9144, 1.0050** is the 20% darker color. If you saturate the color by 10%, you get **32.9318, 16.9055, 4.7714**, and if you desaturate by 10%, it is **33.7145, 17.7073, 7.3864**.

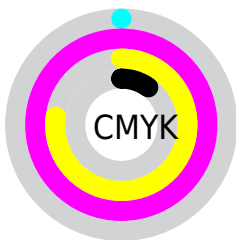
Distribution



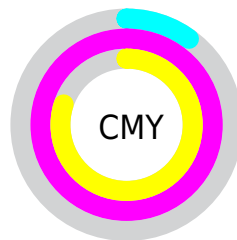
- Red (90%)
- Green (0%)
- Blue (20%)



- Red (90%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9329, 16.9059, 4.7762 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 32.9329, 16.9059, 4.7762 by changing the saturation by 10% instead.


 32.9329, 16.9059,
4.7762


 32.9329, 16.9059,
4.7762


307.0176,
234.6295, 156.4974


 22.2340, 10.1674,
2.0601


 63.6261, 38.1639,
15.7637


 14.1465, 5.5101,
0.5919


 84.3512, 53.4522,
24.8721

 8.3050, 2.5496,
0.0000


 109.1491, 72.3593,
36.9485


 4.3442, 0.9014,
0.0000

 138.3851, 95.2695,
52.4113

 1.8986, 0.0000,
0.0000

 172.4246,
122.5672, 71.6790

 0.5760, 0.0000,
0.0000

 211.6329,

 0.0000, 0.0000,

154.6369, 95.1702

0.0000

256.3755,
191.8628, 123.3035

■ 32.9329, 16.9059,
4.7762

■ 32.9329, 16.9059,
4.7762

■ 32.9318, 16.9055,
4.7714

■ 33.7145, 17.7073,
7.3864

■ 35.0211, 19.2952,
10.9830

■ 36.9814, 21.9060,
15.6740

■ 39.6737, 25.6776,
21.5439

■ 43.1648, 30.7264,
28.6683

■ 47.5139, 37.1545,
37.1163

■ 52.7743, 45.0537,
46.9518

■ 58.9948, 54.5077,
58.2344

■ 66.2210, 65.5940,
71.0200

Harmonies

Analogous

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



35.8322, 16.9059, 19.7728



32.9329, 16.9059, 4.7762



25.1849, 16.9059, 0.7662

Triad

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



32.9329, 16.9059, 4.7762



6.4960, 16.9059, 3.8973



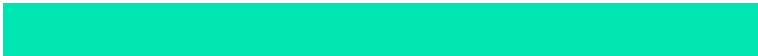
15.6077, 16.9059, 101.4136

Complementary

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



32.9329, 16.9059, 4.7762



35.9608, 59.2150, 51.1566

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.



9.4698, 16.9059, 82.9086



32.9329, 16.9059, 4.7762



5.3601, 16.9059, 17.1068

Square

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



32.9329, 16.9059, 4.7762



10.0477, 16.9059, 0.5796



6.2449, 16.9059, 46.5272



24.1129, 16.9059, 86.5968

Rectangle

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



32.9329, 16.9059, 4.7762



19.2858, 16.9059, 0.0016



6.2449, 16.9059, 46.5272



13.2306, 16.9059, 98.7110

Sweetspot

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



32.9333, 16.9070, 4.7764



67.2077, 57.2792, 59.6534



31.9527, 14.8393, 75.3084



13.7467, 11.2979, 11.5847



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.



32.9333, 16.9070, 4.7764



42.0001, 21.5641, 5.9328



33.9875, 20.0068, 2.0719



14.5103, 14.4213, 15.6214



18.8666, 9.6809, 2.9267



1.4290, 0.7293, 0.3997

Inverse Universe

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



32.9333, 16.9070, 4.7764



42.0001, 21.5641, 5.9328



28.1363, 33.6431, 79.1390



14.5103, 14.4213, 15.6214



18.8666, 9.6809, 2.9267



1.4290, 0.7293, 0.3997

Previews

White Background



This preview shows how the XYZ color 32.9329, 16.9059, 4.7762 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 32.9329, 16.9059, 4.7762 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 32.9329, 16.9059, 4.7762

Background



This preview shows how black text looks on a background with the XYZ color 32.9329, 16.9059, 4.7762.



This preview shows how white text looks on a background with the XYZ color 32.9329, 16.9059,

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

32.9329, 16.9059, 4.7762

Protanopia

16.2609, 17.4909, 9.9162

Deuteranopia

17.6028, 17.3115, 4.2474



Tritanopia

32.3422, 17.0920, 1.9111

Trichromacy



Original Color

32.9329, 16.9059, 4.7762

Protanomaly

18.6272, 13.1138, 7.1797

Deuteranomaly

20.5307, 13.7848, 3.8642

Tritanomaly

32.3384, 16.8826, 2.5315

Monochromacy



Original Color

32.9329, 16.9059, 4.7762

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.2058, 7.1722, 5.9480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9329, 16.9059, 4.7762 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, 52)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 32.9329, 16.9059, 4.7762 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, 52) }
```


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

```
.border{ border-color:rgb(229, 0, 52) }
```

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, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.9329, 16.9059, 4.7762 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, 52) }
```

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

```
.background{ background-color: rgb(229, 0,  
52) }
```

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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