

Converting Colors

XYZ(29.9184, 15.3525, 4.6079)

Have a look what the booklet for
XYZ(29.9184, 15.3525, 4.6079)
contains.

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Color

**XYZ(29.8333, 15.3080,
4.6312)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DB0034 |
| RGB | 219, 0, 52 |
| RGB Percent | 86%, 0%, 20% |
| CMY | 0.1412, 0.9998, 0.7961 |
| CMYK | 0.00, 1.00, 0.76, 0.14 |
| HSL | 346°, 100%, 43% |
| HSV | 346°, 100%, 86% |
| XYZ | 29.8333, 15.3080, 4.6312 |
| YIQ | 71.4090, 113.8320, 62.6000 |

Conversions

Conversions Part 2

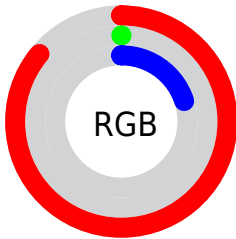
| Format | Color |
|-------------------------------------|--|
| RYB | 219, 0, 52 |
| Decimal | 14352436 |
| CIELab | 46.05, 72.33, 37.17 |
| CIElCh | 46, 81.324, 27.201 |
| Yxy | 15.3080, 0.5994, 0.3076 |
| Android (android.graphics.Color) | 4292542516 (0xFFDB0034) |
| YUV | 71.4090, -9.5686, 129.4373 |
| Hunter-Lab | 39.1254, 67.6374, 20.3698 |

Details

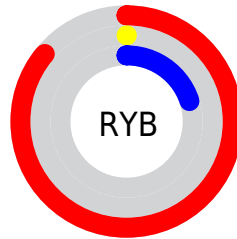
The XYZ color **29.8333, 15.3080, 4.6312** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.3114, 53.4548, 45.1968**, and the grayscale version is **6.0652, 6.3810, 6.9489**.

A 20% lighter version of the original color is **47.0645, 29.3056, 14.9804**, and **13.5724, 6.9905, 0.9211** is the 20% darker color. If you saturate the color by 10%, you get **29.8323, 15.3076, 4.6269**, and if you desaturate by 10%, it is **30.5642, 16.0578, 7.0708**.

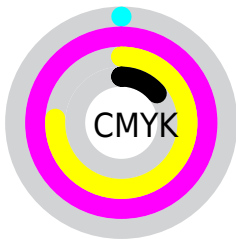
Distribution



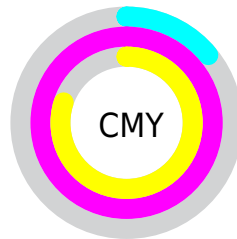
- Red (86%)
- Green (0%)
- Blue (20%)



- Red (86%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (76%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8333, 15.3080, 4.6312 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 29.8333, 15.3080, 4.6312 by changing the saturation by 10% instead.

 29.8333, 15.3080,
4.6312


 29.8333, 15.3080,
4.6312


293.0504,
225.2230, 155.0021


 19.8595, 9.0358,
1.9776


 58.7869, 35.3926,
15.4412


 12.4006, 4.7646,
0.5415


 78.4974, 49.9738,
24.4346

 7.0913, 2.1098,
0.0000


 102.1843, 68.0935,
36.3784

 3.5661, 0.6701,
0.0000

 130.2128, 90.1361,
51.6912

 1.4597, 0.0000,
0.0000

 162.9483,
116.4859, 70.7914

 0.2982, 0.0000,
0.0000

 200.7562,

 0.0000, 0.0000,

147.5274, 94.0976

0.0000

244.0018,
183.6450, 122.0283

■ 29.8333, 15.3080,
4.6312

■ 29.8333, 15.3080,
4.6312

■ 29.8323, 15.3076,
4.6269

■ 30.5642, 16.0578,
7.0708

■ 31.7642, 17.5124,
10.3856

■ 33.5506, 19.8885,
14.6699

■ 35.9928, 23.3092,
19.9966

■ 39.1503, 27.8784,
26.4311

■ 43.0755, 33.6874,
34.0331

■ 47.8159, 40.8182,
42.8580

■ 53.4150, 49.3458,
52.9573

■ 59.9131, 59.3396,
64.3797

Harmonies

Analogous

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



32.2385, 15.3080, 18.5935



29.8333, 15.3080, 4.6312



22.9879, 15.3080, 0.7721

Triad

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



29.8333, 15.3080, 4.6312



6.0023, 15.3080, 3.3928



13.9113, 15.3080, 90.7474

Complementary

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



29.8333, 15.3080, 4.6312



32.3114, 53.4548, 45.1968

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.



8.4798, 15.3080, 73.3783



29.8333, 15.3080, 4.6312



4.9122, 15.3080, 14.8799

Square

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



29.8333, 15.3080, 4.6312



9.2873, 15.3080, 0.4944



5.6503, 15.3080, 40.7783



21.4987, 15.3080, 78.4773

Rectangle

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



29.8333, 15.3080, 4.6312



17.6923, 15.3080, 0.0069



5.6503, 15.3080, 40.7783



11.8034, 15.3080, 87.9934

Sweetspot

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



29.8336, 15.3090, 4.6314



67.2983, 57.3154, 60.1304



28.1505, 13.0359, 68.0500



13.7676, 11.3063, 11.6948



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.



29.8336, 15.3090, 4.6314



42.0691, 21.5916, 6.2958



30.5696, 17.7722, 1.8206



13.1820, 13.1019, 14.2199



17.7249, 9.0910, 2.9316



1.1820, 0.6024, 0.3673

Inverse Universe

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



29.8336, 15.3090, 4.6314



42.0691, 21.5916, 6.2958



26.1091, 31.7594, 71.7716



13.1820, 13.1019, 14.2199



17.7249, 9.0910, 2.9316



1.1820, 0.6024, 0.3673

Previews

White Background



This preview shows how the XYZ color 29.8333, 15.3080, 4.6312 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 29.8333, 15.3080, 4.6312 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 29.8333, 15.3080, 4.6312

Background



This preview shows how black text looks on a background with the XYZ color 29.8333, 15.3080, 4.6312.



This preview shows how white text looks on a background with the XYZ color 29.8333, 15.3080,

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

29.8333, 15.3080, 4.6312

Protanopia

14.8415, 15.9265, 9.6890

Deuteranopia

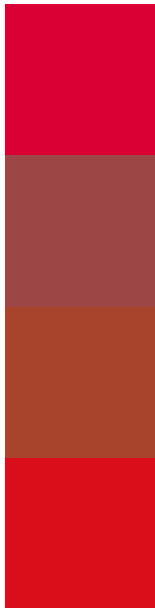
16.1677, 15.9435, 4.1447



Tritanopia

29.2667, 15.5058, 1.7982

Trichromacy



Original Color

29.8333, 15.3080, 4.6312

Protanomaly

17.0377, 12.0041, 7.0493

Deuteranomaly

18.6102, 12.5210, 3.8188

Tritanomaly

29.2683, 15.2986, 2.4472

Monochromacy



Original Color

29.8333, 15.3080, 4.6312

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.3212, 6.6069, 5.5818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8333, 15.3080, 4.6312 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(219, 0, 52)` looks like.

```
.text, #text, p{  
  color:rgb(219, 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(219, 0, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 52) }
```

Border

The CSS property to change the border of an element to XYZ 29.8333, 15.3080, 4.6312 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(219, 0, 52) }
```


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

```
.border{ border-color:rgb(219, 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(219, 0, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8333, 15.3080, 4.6312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 52) }
```

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

```
.background{ background-color: rgb(219, 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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