

Converting Colors

XYZ(29.8622, 15.3300, 4.3122)

Have a look what the booklet for
XYZ(29.8622, 15.3300, 4.3122)
contains.

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Color

**XYZ(29.7678, 15.2818,
4.2865)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DB0031 |
| RGB | 219, 0, 49 |
| RGB Percent | 86%, 0%, 19% |
| CMY | 0.1412, 0.9998, 0.8078 |
| CMYK | 0.00, 1.00, 0.78, 0.14 |
| HSL | 347°, 100%, 43% |
| HSV | 347°, 100%, 86% |
| XYZ | 29.7678, 15.2818, 4.2865 |
| YIQ | 71.0670, 114.7950, 61.6670 |

Conversions

Conversions Part 2

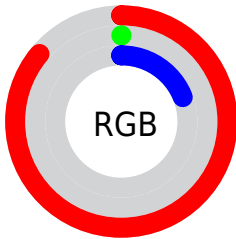
| Format | Color |
|-------------------------------------|---|
| RYB | 219, 0, 49 |
| Decimal | 14352433 |
| CIELab | 46.02, 72.23, 38.89 |
| CIElCh | 46, 82.038, 28.298 |
| Yxy | 15.2818, 0.6034, 0.3097 |
| Android (android.graphics.Color) | 4292542513 (0xFFDB0031) |
| YUV | 71.0670, -10.8790, 129.7372 |
| Hunter-Lab | 39.0919, 67.5136, 20.8631 |

Details

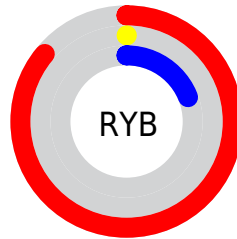
The XYZ color **29.7678, 15.2818, 4.2865** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **32.5921, 53.5671, 46.6753**, and the grayscale version is **6.0091, 6.3221, 6.8847**.

A 20% lighter version of the original color is **46.8779, 29.2310, 13.9979**, and **13.5450, 6.9795, 0.7769** is the 20% darker color. If you saturate the color by 10%, you get **29.7668, 15.2814, 4.2824**, and if you desaturate by 10%, it is **30.4826, 16.0252, 6.6415**.

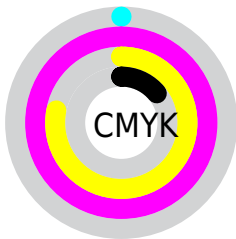
Distribution



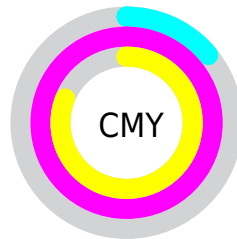
- Red (86%)
- Green (0%)
- Blue (19%)



- Red (86%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7678, 15.2818, 4.2865 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 29.7678, 15.2818, 4.2865 by changing the saturation by 10% instead.


 29.7678, 15.2818,
4.2865


 29.7678, 15.2818,
4.2865


292.7499,
225.0656, 151.3585


 19.8096, 9.0174,
1.7838


 58.6839, 35.3468,
14.6653


 12.3642, 4.7525,
0.4172


 78.3726, 49.9162,
23.3785

 7.0662, 2.1028,
0.0000


 102.0354, 68.0226,
34.9989

 3.5502, 0.6662,
0.0000

 130.0378, 90.0506,
49.9451

 1.4510, 0.0000,
0.0000

 162.7451,
116.3845, 68.6356

 0.2921, 0.0000,
0.0000

 200.5226,

 0.0000, 0.0000,

147.4087, 91.4890

0.0000

243.7358,
183.5076, 118.9238

■ 29.7678, 15.2818,
4.2865

■ 29.7678, 15.2818,
4.2865

■ 29.7668, 15.2814,
4.2824

■ 30.4826, 16.0252,
6.6415

■ 31.6699, 17.4747,
9.8890

■ 33.4476, 19.8474,
14.1275

■ 35.8859, 23.2665,
19.4338

■ 39.0449, 27.8363,
25.8762

■ 42.9776, 33.6483,
33.5173

■ 47.7318, 40.7846,
42.4150

■ 53.3516, 49.3205,
52.6232

■ 59.8777, 59.3255,
64.1928

Harmonies

Analogous

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



32.4113, 15.2818, 17.8031



29.7678, 15.2818, 4.2865



22.7466, 15.2818, 0.6673

Triad

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



29.7678, 15.2818, 4.2865



5.8596, 15.2818, 3.5372



14.1313, 15.2818, 91.7834

Complementary

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



29.7678, 15.2818, 4.2865



32.5921, 53.5671, 46.6753

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.



8.5699, 15.2818, 75.1204



29.7678, 15.2818, 4.2865



4.8392, 15.2818, 15.5274

Square

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



29.7678, 15.2818, 4.2865



9.0631, 15.2818, 0.4969



5.6454, 15.2818, 42.1987



21.8313, 15.2818, 78.2710

Rectangle

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



29.7678, 15.2818, 4.2865



17.4095, 15.2818, 0.0000



5.6454, 15.2818, 42.1987



11.9779, 15.2818, 89.3724

Sweetspot

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



29.7681, 15.2828, 4.2867



67.1788, 57.2676, 59.5013



28.9161, 13.4305, 68.0857



13.7400, 11.2952, 11.5497



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.



29.7681, 15.2828, 4.2867



41.9788, 21.5555, 5.8205



30.7486, 18.1303, 1.8803



13.1747, 13.0990, 14.1810



17.6845, 9.0749, 2.7189



1.1784, 0.6010, 0.3486

Inverse Universe

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



29.7681, 15.2828, 4.2867



41.9788, 21.5555, 5.8205



25.4639, 30.4692, 71.5564



13.1747, 13.0990, 14.1810



17.6845, 9.0749, 2.7189



1.1784, 0.6010, 0.3486

Previews

White Background



This preview shows how the XYZ color 29.7678, 15.2818, 4.2865 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 29.7678, 15.2818, 4.2865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

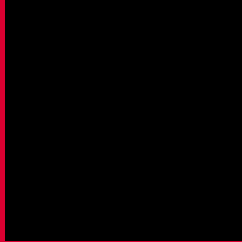
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.7678, 15.2818, 4.2865

Background



This preview shows how black text looks on a background with the XYZ color 29.7678, 15.2818, 4.2865.



This preview shows how white text looks on a background with the XYZ color 29.7678, 15.2818,

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

29.7678, 15.2818, 4.2865

Protanopia

14.7002, 15.8699, 8.9450

Deuteranopia

16.0024, 15.7135, 3.7797



Tritanopia

29.2309, 15.4615, 1.7022

Trichromacy



Original Color

29.7678, 15.2818, 4.2865

Protanomaly

16.9469, 11.9677, 6.5711

Deuteranomaly

18.5386, 12.4923, 3.4417

Tritanomaly

29.2222, 15.2592, 2.2693

Monochromacy



Original Color

29.7678, 15.2818, 4.2865

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.2930, 6.5956, 5.4332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7678, 15.2818, 4.2865 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, 49)` looks like.

```
.text, #text, p{  
  color:rgb(219, 0, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 49) }
```

Border

The CSS property to change the border of an element to XYZ 29.7678, 15.2818, 4.2865 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, 49) }
```


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

```
.border{ border-color:rgb(219, 0, 49) }
```

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, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 49)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.7678, 15.2818, 4.2865 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, 49) }
```

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

```
.background{ background-color: rgb(219, 0,  
49) }
```

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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