

Converting Colors

XYZ(29.3536, 15.1266, 1.6339)

Have a look what the booklet for
XYZ(29.3536, 15.1266, 1.6339)
contains.

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Color

**XYZ(29.2627, 15.0798,
1.6268)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DB0009 |
| RGB | 219, 0, 9 |
| RGB Percent | 86%, 0%, 4% |
| CMY | 0.1412, 0.9998, 0.9647 |
| CMYK | 0.00, 1.00, 0.96, 0.14 |
| HSL | 358°, 100%, 43% |
| HSV | 358°, 100%, 86% |
| XYZ | 29.2627, 15.0798, 1.6268 |
| YIQ | 66.5070, 127.6350, 49.2270 |

Conversions

Conversions Part 2

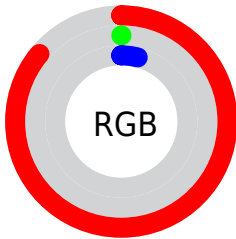
| Format | Color |
|-------------------------------------|---|
| RYB | 219, 0, 9 |
| Decimal | 14352393 |
| CIELab | 45.74, 71.49, 57.19 |
| CIElCh | 46, 91.550, 38.663 |
| Yxy | 15.0798, 0.6366, 0.3280 |
| Android (android.graphics.Color) | 4292542473 (0xFFDB0009) |
| YUV | 66.5070, -28.3510, 133.7364 |
| Hunter-Lab | 38.8327, 66.5528, 24.6991 |

Details

The XYZ color **29.2627, 15.0798, 1.6268** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **36.9711, 55.3186, 69.7348**, and the grayscale version is **5.2909, 5.5665, 6.0619**.

A 20% lighter version of the original color is **45.6280, 28.7310, 7.4157**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.2622, 15.0795, 1.6254**, and if you desaturate by 10%, it is **29.7335, 15.7257, 2.6969**.

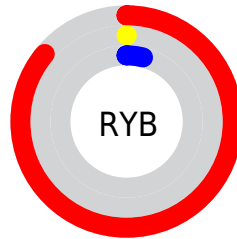
Distribution



Red (86%)

Green (0%)

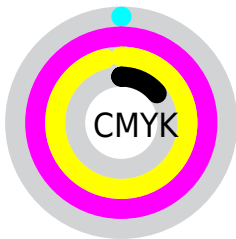
Blue (4%)



Red (86%)

Yellow (0%)

Blue (4%)

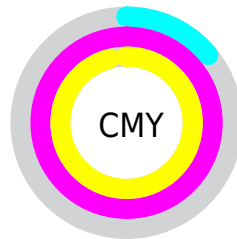


Cyan (0%)

Magenta (100%)

Yellow (96%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2627, 15.0798, 1.6268 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 29.2627, 15.0798, 1.6268 by changing the saturation by 10% instead.


 29.2627, 15.0798,
1.6268


 29.2627, 15.0798,
1.6268


 290.4243,
223.8487, 116.2826


 19.4249, 8.8754,
0.3098


 57.8889, 34.9931,
7.9928


 12.0835, 4.6600,
0.0000


 77.4080, 49.4708,
14.0159


 6.8732, 2.0492,
0.0000


 100.8849, 67.4751,
22.4903

 3.4286, 0.6358,
0.0000

 128.6850, 89.3903,
33.8347

 1.3842, 0.0000,
0.0000

 161.1737,
115.6009, 48.4676

 0.2450, 0.0000,
0.0000


 198.7162,


 0.0000, 0.0000,


146.4912, 66.8075


0.0000


 241.6780,
182.4457, 89.2730


 29.2627, 15.0798,
1.6268


 29.2627, 15.0798,
1.6268

 29.2622, 15.0795,
1.6254

 29.7335, 15.7257,
2.6969

 30.7061, 17.0894,
4.8133

 32.3171, 19.3955,
8.1738

 34.6510, 22.7729,
12.9298

 37.7794, 27.3307,
19.2110

■ 41.7654, 33.1641,
27.1325

■ 46.6656, 40.3590,
36.7982

■ 52.5317, 48.9936,
48.3034

■ 59.4118, 59.1403,
61.7365

Harmonies

Analogous

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



34.4922, 15.0798, 10.8296



29.2627, 15.0798, 1.6268



20.4166, 15.0798, 0.0000

Triad

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



29.2627, 15.0798, 1.6268



4.4984, 15.0798, 5.3259



16.6782, 15.0798, 103.9923

Complementary

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



29.2627, 15.0798, 1.6268



36.9711, 55.3186, 69.7348

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.



9.5965, 15.0798, 95.9250



29.2627, 15.0798, 1.6268



4.1193, 15.0798, 23.6621

Square

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



29.2627, 15.0798, 1.6268



6.9358, 15.0798, 0.5161



5.6077, 15.0798, 59.6496



25.7019, 15.0798, 76.6808

Rectangle

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



29.2627, 15.0798, 1.6268



14.6808, 15.0798, 0.0000



5.6077, 15.0798, 59.6496



13.9905, 15.0798, 105.6155

Sweetspot

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



29.2630, 15.0808, 1.6270



65.6650, 56.6621, 51.5299



38.8136, 18.5329, 68.5487



13.3941, 11.1569, 9.7278



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.



29.2630, 15.0808, 1.6270



41.2971, 21.2828, 2.2307



33.6354, 23.9040, 2.8426



13.0775, 13.0601, 13.6694



17.3610, 8.9454, 1.0151



1.1325, 0.5826, 0.1066

Inverse Universe

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



29.2630, 15.0808, 1.6270



41.2971, 21.2828, 2.2307



19.5602, 18.6617, 69.5883



13.0775, 13.0601, 13.6694



17.3610, 8.9454, 1.0151



1.1325, 0.5826, 0.1066

Previews

White Background



This preview shows how the XYZ color 29.2627, 15.0798, 1.6268 looks on a white background.

Color Contrast Check

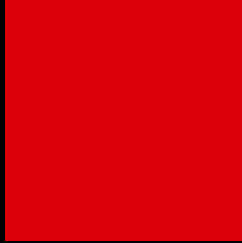
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2627, 15.0798, 1.6268 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 29.2627, 15.0798, 1.6268

Background



This preview shows how black text looks on a background with the XYZ color 29.2627, 15.0798, 1.6268.

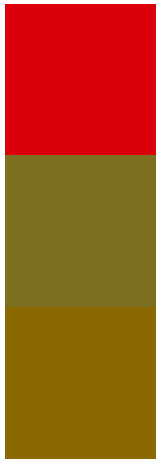


This preview shows how white text looks on a background with the XYZ color 29.2627, 15.0798,

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

29.2627, 15.0798, 1.6268

Protanopia

14.2439, 15.7529, 3.5862

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

28.8654, 15.2520, 1.4226

Trichromacy



Original Color

29.2627, 15.0798, 1.6268

Protanomaly

16.7060, 11.9393, 2.2346

Deuteranomaly

18.1720, 12.3457, 1.5113

Tritanomaly

29.0738, 15.1998, 1.4877

Monochromacy



Original Color

29.2627, 15.0798, 1.6268

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.3831, 6.0626, 3.2604

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2627, 15.0798, 1.6268 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, 9)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 9)  
}
```

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, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 9) }
```

Border

The CSS property to change the border of an element to XYZ 29.2627, 15.0798, 1.6268 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, 9) }
```


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

```
.border{ border-color:rgb(219, 0, 9) }
```

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, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 9); -webkit-box-shadow:4px  
4px 4px 4px rgb(219, 0, 9); box-shadow:4px  
4px 4px 4px rgb(219, 0, 9) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2627, 15.0798, 1.6268 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, 9) }
```

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

```
.background{ background-color: rgb(219, 0,  
9) }
```

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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