

Converting Colors

XYZ(29.3711, 15.1336, 1.7259)

Have a look what the booklet for
XYZ(29.3711, 15.1336, 1.7259)
contains.

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Color

**XYZ(29.2798, 15.0866,
1.7166)**

Conversions

Conversions Part 1

Format	Color
Hex	DB000C
RGB	219, 0, 12
RGB Percent	86%, 0%, 5%
CMY	0.1412, 0.9998, 0.9529
CMYK	0.00, 1.00, 0.95, 0.14
HSL	357°, 100%, 43%
HSV	357°, 100%, 86%
XYZ	29.2798, 15.0866, 1.7166
YIQ	66.8490, 126.6720, 50.1600

Conversions

Conversions Part 2

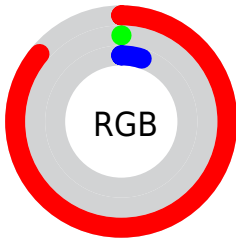
Format	Color
RYB	219, 0, 12
Decimal	14352396
CIELab	45.75, 71.51, 56.32
CIELCh	46, 91.027, 38.223
Yxy	15.0866, 0.6354, 0.3274
Android (android.graphics.Color)	4292542476 (0xFFDB000C)
YUV	66.8490, -27.0406, 133.4364
Hunter-Lab	38.8415, 66.5858, 24.5687

Details

The XYZ color **29.2798, 15.0866, 1.7166** 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 **36.6003, 55.1703, 67.7821**, and the grayscale version is **5.3427, 5.6210, 6.1212**.

A 20% lighter version of the original color is **45.6819, 28.7526, 7.6995**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.2793, 15.0864, 1.7151**, and if you desaturate by 10%, it is **29.7696, 15.7400, 2.8864**.

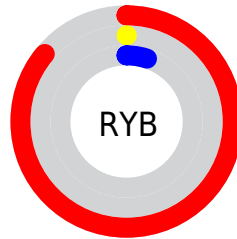
Distribution



Red (86%)

Green (0%)

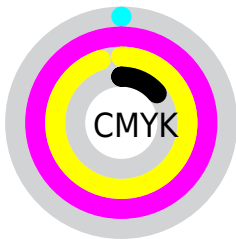
Blue (5%)



Red (86%)

Yellow (0%)

Blue (5%)

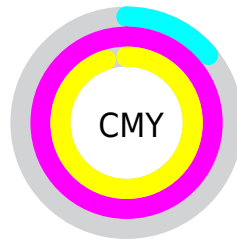


Cyan (0%)

Magenta (100%)

Yellow (95%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2798, 15.0866, 1.7166 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 29.2798, 15.0866, 1.7166 by changing the saturation by 10% instead.


 29.2798, 15.0866,
1.7166


 29.2798, 15.0866,
1.7166


 290.5033,
223.8898, 117.8083


 19.4379, 8.8802,
0.3721


 57.9158, 35.0050,
8.2504


 12.0930, 4.6631,
0.0000


 77.4407, 49.4858,
14.3898


 6.8797, 2.0510,
0.0000


 100.9239, 67.4936,
23.0022

 3.4326, 0.6368,
0.0000

 128.7309, 89.4126,
34.5061

 1.3865, 0.0000,
0.0000

 161.2270,
115.6273, 49.3202


 0.2466, 0.0000,
0.0000


 198.7775,


 0.0000, 0.0000,


146.5222, 67.8629


0.0000


 241.7478,
182.4815, 90.5527


 29.2798, 15.0866,
1.7166


 29.2798, 15.0866,
1.7166


 29.2793, 15.0864,
1.7151

 29.7696, 15.7400,
2.8864

 30.7603, 17.1109,
5.0992

 32.3867, 19.4230,
8.5408

 34.7315, 22.8048,
13.3545

 37.8653, 27.3645,
19.6641

■ 41.8500, 33.1974,
27.5794

■ 46.7416, 40.3887,
37.2001

■ 52.5910, 49.0165,
48.6177

■ 59.4456, 59.1528,
61.9171

Harmonies

Analogous

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



34.3835, 15.0866, 11.1075



29.2798, 15.0866, 1.7166



20.5189, 15.0866, 0.0000

Triad

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



29.2798, 15.0866, 1.7166



4.5572, 15.0866, 5.2296



16.5481, 15.0866, 103.3619

Complementary

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



29.2798, 15.0866, 1.7166



36.6003, 55.1703, 67.7821

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.



9.5447, 15.0866, 94.8362



29.2798, 15.0866, 1.7166



4.1513, 15.0866, 23.2198

Square

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



29.2798, 15.0866, 1.7166



7.0272, 15.0866, 0.5154



5.6090, 15.0866, 58.7161



25.5035, 15.0866, 76.7348

Rectangle

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



29.2798, 15.0866, 1.7166



14.8004, 15.0866, 0.0000



5.6090, 15.0866, 58.7161



13.8880, 15.0866, 104.7757

Sweetspot

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



29.2801, 15.0876, 1.7168



65.7736, 56.7055, 52.1016



37.7990, 18.0098, 68.5014



13.4186, 11.1667, 9.8573



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.



29.2801, 15.0876, 1.7168



41.3187, 21.2915, 2.3445



33.2992, 23.2314, 2.7305



13.0847, 13.0630, 13.7073



17.3740, 8.9507, 1.0837



1.1359, 0.5840, 0.1248

Inverse Universe

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



29.2801, 15.0876, 1.7168



41.3187, 21.2915, 2.3445



20.0095, 19.5604, 69.7383



13.0847, 13.0630, 13.7073



17.3740, 8.9507, 1.0837



1.1359, 0.5840, 0.1248

Previews

White Background



This preview shows how the XYZ color 29.2798, 15.0866, 1.7166 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 29.2798, 15.0866, 1.7166 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 29.2798, 15.0866, 1.7166

Background



This preview shows how black text looks on a background with the XYZ color 29.2798, 15.0866, 1.7166.



This preview shows how white text looks on a background with the XYZ color 29.2798, 15.0866,

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

29.2798, 15.0866, 1.7166

Protanopia

14.2573, 15.7582, 3.6567

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

28.8654, 15.2520, 1.4226

Trichromacy



Original Color

29.2798, 15.0866, 1.7166

Protanomaly

16.7268, 11.9476, 2.3442

Deuteranomaly

18.1775, 12.3479, 1.5402

Tritanomaly

29.0793, 15.2020, 1.5165

Monochromacy



Original Color

29.2798, 15.0866, 1.7166

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

9.4030, 6.0706, 3.3655

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2798, 15.0866, 1.7166 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, 12)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 12)  
}
```

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, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 12) }
```

Border

The CSS property to change the border of an element to XYZ 29.2798, 15.0866, 1.7166 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, 12) }
```


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

```
.border{ border-color:rgb(219, 0, 12) }
```

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, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 12);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 12)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.2798, 15.0866, 1.7166 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, 12) }
```

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

```
.background{ background-color: rgb(219, 0,  
12) }
```

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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