

Converting Colors

XYZ(28.3144, 13.6170, 0.5769)

Have a look what the booklet for
XYZ(28.3144, 13.6170, 0.5769)
contains.

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Color

**XYZ(29.2134, 15.0601,
1.3672)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0000
RGB	219, 0, 0
RGB Percent	86%, 0%, 0%
CMY	0.1412, 0.9998, 1.0000
CMYK	0.00, 1.00, 1.00, 0.14
HSL	0°, 100%, 43%
HSV	0°, 100%, 86%
XYZ	29.2134, 15.0601, 1.3672
YIQ	65.4810, 130.5240, 46.4280

Conversions

Conversions Part 2

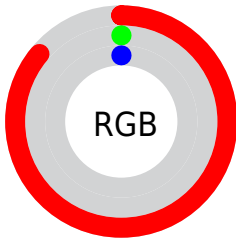
Format	Color
RYB	219, 0, 0
Decimal	14352384
CIELab	45.72, 71.41, 59.92
CIELCh	46, 93.221, 40.000
Yxy	15.0601, 0.6401, 0.3300
Android (android.graphics.Color)	4292542464 (0xFFDB0000)
YUV	65.4810, -32.2821, 134.6362
Hunter-Lab	38.8073, 66.4584, 25.0763

Details

The XYZ color **29.2134, 15.0601, 1.3672** 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 **38.1040, 55.7502, 75.7697**, and the grayscale version is **5.1367, 5.4042, 5.8852**.

A 20% lighter version of the original color is **45.3956, 28.5058, 6.5996**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.2137, 15.0610, 1.3673**, and if you desaturate by 10%, it is **29.6429, 15.6893, 2.2201**.

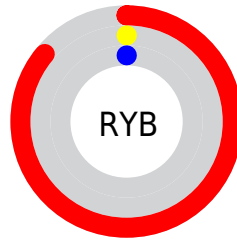
Distribution



Red (86%)

Green (0%)

Blue (0%)



Red (86%)

Yellow (0%)

Blue (0%)

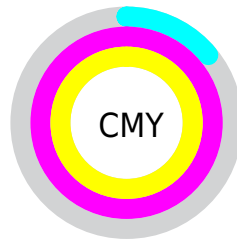


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2134, 15.0601, 1.3672 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 29.2134, 15.0601, 1.3672 by changing the saturation by 10% instead.

 29.2134, 15.0601,
1.3672

 29.2134, 15.0601,
1.3672

 290.1966,
223.7297, 111.6138

 19.3874, 8.8616,
0.1159


 57.8112, 34.9586,
7.2247


 12.0562, 4.6510,
0.0000


 77.3137, 49.4273,
12.8925


 6.8544, 2.0440,
0.0000


 100.7724, 67.4216,
20.9444

 3.4168, 0.6328,
0.0000

 128.5527, 89.3258,
31.7989

 1.3778, 0.0000,
0.0000

 161.0199,
115.5243, 45.8745


 0.2403, 0.0000,
0.0000


 198.5394,


 0.0000, 0.0000,


146.4015, 63.5899


0.0000


 241.4765,
182.3419, 85.3635


 29.2134, 15.0601,
1.3672

 29.2134, 15.0601,
1.3672


 29.2137, 15.0610,
1.3673

 29.6429, 15.6893,
2.2201

 30.5589, 17.0299,
4.0398

 32.1206, 19.3156,
7.1436

 34.4177, 22.6771,
11.7093

 37.5255, 27.2249,
17.8870

■ 41.5102, 33.0556,
25.8082

■ 46.4309, 40.2560,
35.5906

■ 52.3419, 48.9052,
47.3420

■ 59.2931, 59.0765,
61.1618

Harmonies

Analogous

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



34.8367, 15.0601, 9.9948



29.2134, 15.0601, 1.3672



20.1025, 15.0601, 0.0000

Triad

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



29.2134, 15.0601, 1.3672



4.3187, 15.0601, 5.6333



17.0896, 15.0601, 105.9901

Complementary

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



29.2134, 15.0601, 1.3672



38.1040, 55.7502, 75.7697

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.



9.7596, 15.0601, 99.3856



29.2134, 15.0601, 1.3672



4.0205, 15.0601, 25.0780

Square

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



29.2134, 15.0601, 1.3672



6.6565, 15.0601, 0.5180



5.6041, 15.0601, 62.6292



26.3296, 15.0601, 76.5256

Rectangle

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



29.2134, 15.0601, 1.3672



14.3141, 15.0601, 0.0000



5.6041, 15.0601, 62.6292



14.3142, 15.0601, 108.2783

Sweetspot

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



29.2137, 15.0611, 1.3674



65.3498, 56.5418, 49.8525



41.9992, 20.1744, 68.6976



13.3229, 11.1297, 9.3491



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.



29.2137, 15.0611, 1.3674



41.2406, 21.2613, 1.9302



34.7353, 26.1043, 3.2079



13.0563, 13.0520, 13.5567



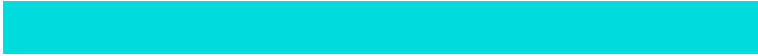
17.3226, 8.9308, 0.8108



1.1223, 0.5788, 0.0526

Inverse Universe

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



38.1040, 55.7502, 75.7697



53.7910, 78.7020, 106.9637



18.3083, 16.1588, 69.1712



13.4447, 14.8290, 16.8058



22.5942, 33.0578, 44.9284



1.4638, 2.1418, 2.9107

Previews

White Background



This preview shows how the XYZ color 29.2134, 15.0601, 1.3672 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



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 29.2134, 15.0601, 1.3672

Background



This preview shows how black text looks on a background with the XYZ color 29.2134, 15.0601, 1.3672.



This preview shows how white text looks on a background with the XYZ color 29.2134, 15.0601,

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

29.2134, 15.0601, 1.3672

Protanopia

14.2062, 15.7378, 3.3876

Deuteranopia

15.6990, 15.5921, 2.1822

Trichromacy



Original Color

29.2134, 15.0601, 1.3672

Protanomaly

16.6605, 11.9211, 1.9952

Deuteranomaly

18.1556, 12.3391, 1.4248

Monochromacy



Original Color

29.2134, 15.0601, 1.3672

Achromatopsia

5.1784, 5.4480, 5.9329

Achromatomaly

9.2719, 5.9607, 2.8523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2134, 15.0601, 1.3672 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, 0)` looks like.

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

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, 0) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 29.2134, 15.0601, 1.3672 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, 0) }
```

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

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

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, 0) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to XYZ 29.2134, 15.0601, 1.3672 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, 0) }
```

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

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

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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