

Converting Colors

XYZ(29.4388, 15.1605, 2.0890)

Have a look what the booklet for
XYZ(29.4388, 15.1605, 2.0890)
contains.

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Color

**XYZ(29.3488, 15.1142,
2.0799)**

Conversions

Conversions Part 1

Format	Color
Hex	DB0015
RGB	219, 0, 21
RGB Percent	86%, 0%, 8%
CMY	0.1412, 0.9998, 0.9176
CMYK	0.00, 1.00, 0.90, 0.14
HSL	354°, 100%, 43%
HSV	354°, 100%, 86%
XYZ	29.3488, 15.1142, 2.0799
YIQ	67.8750, 123.7830, 52.9590

Conversions

Conversions Part 2

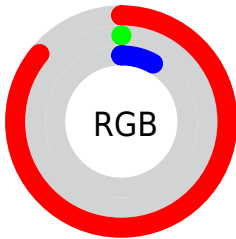
Format	Color
RYB	219, 0, 21
Decimal	14352405
CIELab	45.79, 71.61, 53.07
CIElCh	46, 89.136, 36.541
Yxy	15.1142, 0.6306, 0.3247
Android (android.graphics.Color)	4292542485 (0xFFDB0015)
YUV	67.8750, -23.1094, 132.5366
Hunter-Lab	38.8770, 66.7175, 24.0419

Details

The XYZ color **29.3488, 15.1142, 2.0799** 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 **35.5306, 54.7425, 62.1491**, and the grayscale version is **5.5006, 5.7871, 6.3021**.

A 20% lighter version of the original color is **45.8866, 28.8344, 8.7773**, and **13.3264, 6.8700, 0.6237** is the 20% darker color. If you saturate the color by 10%, you get **29.3482, 15.1140, 2.0778**, and if you desaturate by 10%, it is **29.8960, 15.7906, 3.5521**.

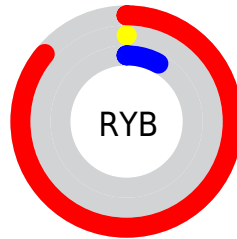
Distribution



Red (86%)

Green (0%)

Blue (8%)



Red (86%)

Yellow (0%)

Blue (8%)

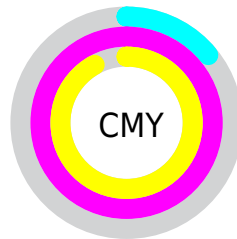


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (14%)



Cyan (14%)


Magenta (100%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3488, 15.1142, 2.0799 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 29.3488, 15.1142, 2.0799 by changing the saturation by 10% instead.


 29.3488, 15.1142,
2.0799


 29.3488, 15.1142,
2.0799


290.8218,
224.0564, 123.6054


 19.4904, 8.8996,
0.6038


 58.0245, 35.0534,
9.2581


 12.1313, 4.6757,
0.0000


 77.5726, 49.5468,
15.8403

 6.9060, 2.0583,
0.0000


 101.0813, 67.5685,
24.9760

 3.4492, 0.6410,
0.0000

 128.9160, 89.5030,
37.0837

 1.3955, 0.0000,
0.0000

 161.4421,
115.7346, 52.5820

 0.2530, 0.0000,
0.0000


 199.0248,


 0.0000, 0.0000,


146.6478, 71.8893


0.0000


 242.0296,
182.6269, 95.4242


 29.3488, 15.1142,
2.0799


 29.3488, 15.1142,
2.0799


 29.3482, 15.1140,
2.0778

 29.8960, 15.7906,
3.5521

 30.9401, 17.1828,
6.0457

 32.6101, 19.5124,
9.7172

 34.9850, 22.9062,
14.6892

 38.1320, 27.4712,
21.0689

■ 42.1107, 33.3016,
28.9521

■ 46.9744, 40.4818,
38.4264

■ 52.7723, 49.0889,
49.5724

■ 59.5498, 59.1945,
62.4656

Harmonies

Analogous

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



33.9874, 15.1142, 12.1854



29.3488, 15.1142, 2.0799



20.9063, 15.1142, 0.0000

Triad

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



29.3488, 15.1142, 2.0799



4.7808, 15.1142, 4.8818



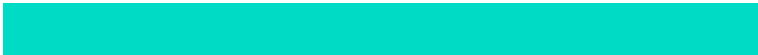
16.0721, 15.1142, 101.0592

Complementary

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



29.3488, 15.1142, 2.0799



35.5306, 54.7425, 62.1491

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.



9.3548, 15.1142, 90.8745



29.3488, 15.1142, 2.0799



4.2726, 15.1142, 21.6252

Square

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



29.3488, 15.1142, 2.0799



7.3755, 15.1142, 0.5128



5.6141, 15.1142, 55.3375



24.7781, 15.1142, 76.9519

Rectangle

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



29.3488, 15.1142, 2.0799



15.2534, 15.1142, 0.0000



5.6141, 15.1142, 55.3375



13.5129, 15.1142, 101.7100

Sweetspot

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



29.3491, 15.1152, 2.0801



66.1039, 56.8377, 53.8409



35.8399, 16.9999, 68.4097



13.4937, 11.1967, 10.2524



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.



29.3491, 15.1152, 2.0801



41.4091, 21.3276, 2.8203



32.6728, 21.9788, 2.5217



13.1064, 13.0717, 13.8216



17.4202, 8.9691, 1.3268



1.1463, 0.5881, 0.1792

Inverse Universe

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



29.3491, 15.1152, 2.0801



41.4091, 21.3276, 2.8203



20.9594, 21.4602, 70.0550



13.1064, 13.0717, 13.8216



17.4202, 8.9691, 1.3268



1.1463, 0.5881, 0.1792

Previews

White Background



This preview shows how the XYZ color 29.3488, 15.1142, 2.0799 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 29.3488, 15.1142, 2.0799 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 29.3488, 15.1142, 2.0799

Background



This preview shows how black text looks on a background with the XYZ color 29.3488, 15.1142, 2.0799.



This preview shows how white text looks on a background with the XYZ color 29.3488, 15.1142,

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

29.3488, 15.1142, 2.0799

Protanopia

14.3796, 15.8072, 4.3007

Deuteranopia

15.6990, 15.5921, 2.1822



Tritanopia

29.1636, 15.4057, 1.4365

Trichromacy



Original Color

29.3488, 15.1142, 2.0799

Protanomaly

16.8258, 11.9872, 2.8658

Deuteranomaly

18.1994, 12.3567, 1.6556

Tritanomaly

29.1012, 15.2108, 1.6319

Monochromacy



Original Color

29.3488, 15.1142, 2.0799

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.6298, 6.1777, 3.8168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3488, 15.1142, 2.0799 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 21) }
```

Border

The CSS property to change the border of an element to XYZ 29.3488, 15.1142, 2.0799 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, 21) }
```


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

```
.border{ border-color:rgb(219, 0, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 21);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 21)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.3488, 15.1142, 2.0799 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, 21) }
```

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

```
.background{ background-color: rgb(219, 0,  
21) }
```

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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