

Converting Colors

XYZ(29.3319, 15.3031, 2.8467)

Have a look what the booklet for
XYZ(29.3319, 15.3031, 2.8467)
contains.

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Color

**XYZ(29.3319, 15.3031,
2.8467)**

Conversions

Conversions Part 1

Format	Color
Hex	DA0D21
RGB	218, 13, 33
RGB Percent	85%, 5%, 13%
CMY	0.1451, 0.9489, 0.8706
CMYK	0.00, 0.94, 0.85, 0.15
HSL	354°, 89%, 45%
HSV	354°, 94%, 85%
XYZ	29.3319, 15.3031, 2.8467
YIQ	76.5750, 115.7600, 49.6800

Conversions

Conversions Part 2

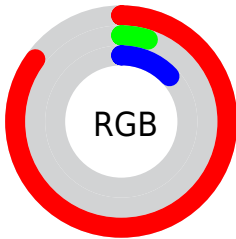
Format	Color
RYB	218, 13, 33
Decimal	14290209
CIELab	46.05, 70.44, 47.62
CIElCh	46, 85.028, 34.057
Yxy	15.3031, 0.6178, 0.3223
Android (android.graphics.Color)	4292480289 (0xFFDA0D21)
YUV	76.5750, -21.4825, 124.0297
Hunter-Lab	39.1192, 65.3823, 23.0689

Details

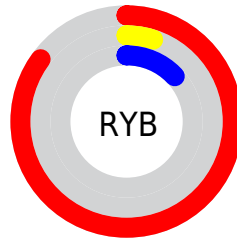
The XYZ color **29.3319, 15.3031, 2.8467** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **35.4357, 54.3075, 62.0660**, and the grayscale version is **7.0030, 7.3677, 8.0235**.

A 20% lighter version of the original color is **46.4784, 29.4788, 10.6374**, and **13.1369, 6.7723, 0.6148** is the 20% darker color. If you saturate the color by 10%, you get **29.0507, 14.9603, 2.0771**, and if you desaturate by 10%, it is **30.1449, 16.3523, 4.8969**.

Distribution



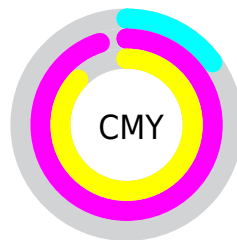
- Red (85%)
- Green (5%)
- Blue (13%)



- Red (85%)
- Yellow (5%)
- Blue (13%)



- Cyan (0%)
- Magenta (94%)
- Yellow (85%)
- Black (15%)





- Cyan (15%)
- Magenta (95%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.3319, 15.3031, 2.8467 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 29.3319, 15.3031, 2.8467 by changing the saturation by 10% instead.


 29.3319, 15.3031,
2.8467


 29.3319, 15.3031,
2.8467


290.7438,
225.1935, 134.3835


 19.4776, 9.0324,
1.0169


 57.9979, 35.3840,
11.2478

 12.1219, 4.7623,
0.0000


 77.5403, 49.9630,
18.6561


 6.8996, 2.1085,
0.0000


 101.0428, 68.0803,
28.7610

 3.4451, 0.6694,
0.0000

 128.8707, 90.1201,
41.9811

 1.3933, 0.0000,
0.0000

 161.3894,
116.4670, 58.7348


 0.2514, 0.0000,
0.0000


 198.9643,


 0.0000, 0.0000,


147.5052, 79.4408


0.0000


 241.9606,
183.6193, 104.5175


 29.3319, 15.3031,
2.8467


 29.3319, 15.3031,
2.8467


 29.0507, 14.9603,
2.0771

 30.1449, 16.3523,
4.8969

 31.5401, 18.2689,
8.0557

 33.6024, 21.1905,
12.4518

 36.4022, 25.2297,
18.1958

 40.0010, 30.4841,
25.3861

■ 44.4538, 37.0407,
34.1119

■ 49.8106, 44.9784,
44.4551

■ 56.1176, 54.3700,
56.4918

■ 63.4180, 65.2832,
70.2934

Harmonies

Analogous

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



33.2360, 15.3031, 14.0066



29.3319, 15.3031, 2.8467



21.4975, 15.3031, 0.2049

Triad

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



29.3319, 15.3031, 2.8467



5.2967, 15.3031, 4.6243



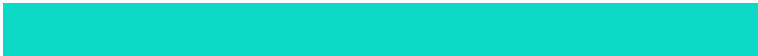
15.5489, 15.3031, 96.0199

Complementary

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



29.3319, 15.3031, 2.8467



35.4357, 54.3075, 62.0660

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.



9.2810, 15.3031, 84.0096



29.3319, 15.3031, 2.8467



4.6315, 15.3031, 19.6345

Square

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



29.3319, 15.3031, 2.8467



8.0772, 15.3031, 0.6255



5.8132, 15.3031, 50.2863



23.7797, 15.3031, 76.0126

Rectangle

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



29.3319, 15.3031, 2.8467



16.0293, 15.3031, 0.0000



5.8132, 15.3031, 50.2863



13.1555, 15.3031, 95.6540

Sweetspot

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



29.3322, 15.3041, 2.8469



67.6523, 59.1169, 56.8775



35.9573, 17.2893, 67.7712



13.7859, 11.6252, 10.8306



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.



29.3322, 15.3041, 2.8469



41.4136, 21.3295, 2.8444



33.0807, 23.1235, 3.1020



13.1073, 13.0720, 13.8263



17.4225, 8.9700, 1.3387



1.1467, 0.5883, 0.1815

Inverse Universe

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



29.3322, 15.3041, 2.8469



41.4136, 21.3295, 2.8444



21.6279, 22.7609, 69.5825



13.1073, 13.0720, 13.8263



17.4225, 8.9700, 1.3387



1.1467, 0.5883, 0.1815

Previews

White Background



This preview shows how the XYZ color 29.3319, 15.3031, 2.8467 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 29.3319, 15.3031, 2.8467 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 29.3319, 15.3031, 2.8467

Background



This preview shows how black text looks on a background with the XYZ color 29.3319, 15.3031, 2.8467.



This preview shows how white text looks on a background with the XYZ color 29.3319, 15.3031,

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

29.3319, 15.3031, 2.8467

Protanopia

14.3763, 15.7728, 5.7768

Deuteranopia

15.8668, 15.6786, 2.1900



Tritanopia

29.1463, 15.3712, 1.4308

Trichromacy



Original Color

29.3319, 15.3031, 2.8467

Protanomaly

16.9138, 12.3975, 4.0863

Deuteranomaly

18.5322, 12.9861, 1.8776

Tritanomaly

29.1803, 15.3329, 1.7694

Monochromacy



Original Color

29.3319, 15.3031, 2.8467

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

11.0636, 7.5644, 5.2918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3319, 15.3031, 2.8467 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(218, 13, 33)` looks like.

```
.text, #text, p{  
    color:rgb(218, 13, 33)  
}
```

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(218, 13, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 13, 33) }
```

Border

The CSS property to change the border of an element to XYZ 29.3319, 15.3031, 2.8467 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(218, 13, 33) }
```


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

```
.border{ border-color:rgb(218, 13, 33) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(218, 13, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 13, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 13, 33);  
box-shadow:4px 4px 4px 4px rgb(218, 13,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3319, 15.3031, 2.8467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 13, 33) }
```

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

```
.background{ background-color: rgb(218, 13,  
33) }
```

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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