

Converting Colors

XYZ(29.2609, 15.1907, 4.1806)

Have a look what the booklet for
XYZ(29.2609, 15.1907, 4.1806)
contains.

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Color

**XYZ(29.2573, 15.1822,
4.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	D90A30
RGB	217, 10, 48
RGB Percent	85%, 4%, 19%
CMY	0.1490, 0.9606, 0.8118
CMYK	0.00, 0.95, 0.78, 0.15
HSL	349°, 91%, 45%
HSV	349°, 95%, 85%
XYZ	29.2573, 15.1822, 4.1847
YIQ	76.2250, 111.1740, 55.7020

Conversions

Conversions Part 2

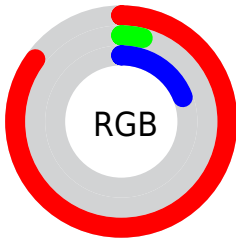
Format	Color
R_{YB}	217, 10, 48
Decimal	14223920
CIE Lab	45.88, 70.86, 39.20
CIE LCh	46, 80.984, 28.951
Yxy	15.1822, 0.6017, 0.3122
Android (android.graphics.Color)	4292414000 (0xFFD90A30)
YUV	76.2250, -13.9149, 123.4597
Hunter-Lab	38.9643, 65.8434, 20.9074

Details

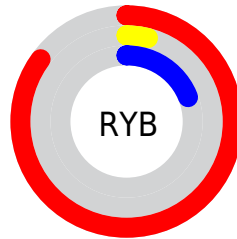
The XYZ color **29.2573, 15.1822, 4.1847** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.0801, 52.9468, 51.1501**, and the grayscale version is **6.9262, 7.2869, 7.9354**.

A 20% lighter version of the original color is **47.0015, 29.5503, 13.8162**, and **13.1588, 6.7811, 0.7302** is the 20% darker color. If you saturate the color by 10%, you get **28.9945, 14.9034, 3.3376**, and if you desaturate by 10%, it is **30.1000, 16.1613, 6.6442**.

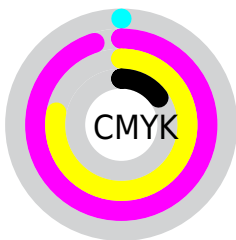
Distribution



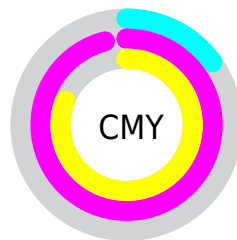
- Red (85%)
- Green (4%)
- Blue (19%)



- Red (85%)
- Yellow (4%)
- Blue (19%)



- Cyan (0%)
- Magenta (95%)
- Yellow (78%)
- Black (15%)





- Cyan (15%)
- Magenta (96%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.2573, 15.1822, 4.1847 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 29.2573, 15.1822, 4.1847 by changing the saturation by 10% instead.


 29.2573, 15.1822,
4.1847


 29.2573, 15.1822,
4.1847


290.3994,
224.4664, 150.2567

 19.4208, 8.9474,
1.7272


 57.8804, 35.1725,
14.4335


 12.0805, 4.7069,
0.3793


 77.3977, 49.6967,
23.0620


 6.8711, 2.0763,
0.0000


 100.8726, 67.7529,
34.5845

 3.4273, 0.6513,
0.0000

 128.6705, 89.7254,
49.4195

 1.3835, 0.0000,
0.0000

 161.1568,
115.9986, 67.9858

 0.2444, 0.0000,
0.0000

 198.6968,

 0.0000, 0.0000,

146.9569, 90.7017

0.0000

241.6559,
182.9847, 117.9858

■ 29.2573, 15.1822,
4.1847

■ 29.2573, 15.1822,
4.1847

■ 28.9945, 14.9034,
3.3376

■ 30.1000, 16.1613,
6.6442

■ 31.4872, 17.9704,
10.0823

■ 33.4982, 20.7468,
14.5925

■ 36.1986, 24.6023,
20.2566

■ 39.6453, 29.6330,
27.1481

■ 43.8893, 35.9246,
35.3343

■ 48.9771, 43.5546,
44.8775

■ 54.9513, 52.5944,
55.8361

■ 61.8519, 63.1102,
68.2647

Harmonies

Analogous

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



31.9643, 15.1822, 17.2299



29.2573, 15.1822, 4.1847



22.3263, 15.1822, 0.6801

Triad

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



29.2573, 15.1822, 4.1847



5.8449, 15.1822, 3.7248



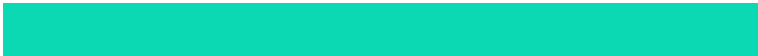
14.1908, 15.1822, 89.9529

Complementary

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



29.2573, 15.1822, 4.1847



33.0801, 52.9468, 51.1501

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.



8.6573, 15.1822, 74.2954



29.2573, 15.1822, 4.1847



4.8745, 15.1822, 15.8510

Square

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



29.2573, 15.1822, 4.1847



8.9573, 15.1822, 0.5764



5.7141, 15.1822, 42.2659



21.7732, 15.1822, 76.1888

Rectangle

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



29.2573, 15.1822, 4.1847



17.0987, 15.1822, 0.0000



5.7141, 15.1822, 42.2659



12.0549, 15.1822, 87.8306

Sweetspot

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



29.2576, 15.1832, 4.1849



67.5804, 58.2506, 59.0810



30.4497, 14.4125, 66.8221



13.8016, 11.4743, 11.3981



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.



29.2576, 15.1832, 4.1849



41.7483, 21.4633, 4.6066



30.9962, 19.4258, 2.4045



13.1531, 13.0903, 14.0674



17.5801, 9.0331, 2.1691



1.1683, 0.5970, 0.2954

Inverse Universe

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



29.2576, 15.1832, 4.1849



41.7483, 21.4633, 4.6066



24.3572, 28.4888, 69.8603



13.1531, 13.0903, 14.0674



17.5801, 9.0331, 2.1691



1.1683, 0.5970, 0.2954

Previews

White Background



This preview shows how the XYZ color 29.2573, 15.1822, 4.1847 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 29.2573, 15.1822, 4.1847 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 29.2573, 15.1822, 4.1847

Background



This preview shows how black text looks on a background with the XYZ color 29.2573, 15.1822, 4.1847.



This preview shows how white text looks on a background with the XYZ color 29.2573, 15.1822,

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

29.2573, 15.1822, 4.1847

Protanopia

14.5243, 15.6260, 8.5539

Deuteranopia

15.8215, 15.6219, 3.6948



Tritanopia

28.6785, 15.2018, 1.8035

Trichromacy



Original Color

29.2573, 15.1822, 4.1847

Protanomaly

16.8918, 12.2363, 6.3220

Deuteranomaly

18.4927, 12.7423, 3.4043

Tritanomaly

28.7217, 15.1061, 2.3793

Monochromacy



Original Color

29.2573, 15.1822, 4.1847

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

10.9638, 7.3614, 5.9973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2573, 15.1822, 4.1847 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(217, 10, 48)` looks like.

```
.text, #text, p{  
    color:rgb(217, 10, 48)  
}
```

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(217, 10, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 10, 48) }
```

Border

The CSS property to change the border of an element to XYZ 29.2573, 15.1822, 4.1847 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(217, 10, 48) }
```


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

```
.border{ border-color:rgb(217, 10, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 10, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 10, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 10, 48);  
box-shadow:4px 4px 4px 4px rgb(217, 10,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2573, 15.1822, 4.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 10, 48) }
```

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

```
.background{ background-color: rgb(217, 10,  
48) }
```

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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