

Converting Colors

XYZ(29.7535, 15.1984, 7.7205)

Have a look what the booklet for
XYZ(29.7535, 15.1984, 7.7205)
contains.

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Color

**XYZ(29.8179, 15.2328,
7.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	D90049
RGB	217, 0, 73
RGB Percent	85%, 0%, 29%
CMY	0.1490, 0.9998, 0.7137
CMYK	0.00, 1.00, 0.66, 0.15
HSL	340°, 100%, 43%
HSV	340°, 100%, 85%
XYZ	29.8179, 15.2328, 7.6720
YIQ	73.2050, 105.8990, 68.7070

Conversions

Conversions Part 2

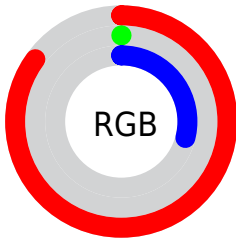
Format	Color
R_{YB}	217, 0, 73
Decimal	14221385
CIE Lab	45.95, 72.71, 24.21
CIE LCh	46, 76.634, 18.414
Yxy	15.2328, 0.5656, 0.2889
Android (android.graphics.Color)	4292411465 (0xFFD90049)
YUV	73.2050, -0.1011, 126.1082
Hunter-Lab	39.0292, 68.0709, 15.6658

Details

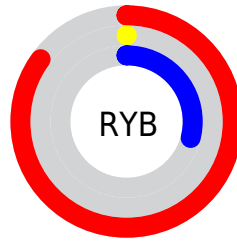
The XYZ color **29.8179, 15.2328, 7.6720** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **29.8511, 51.6408, 34.7995**, and the grayscale version is **6.3606, 6.6919, 7.2875**.

A 20% lighter version of the original color is **48.3474, 29.9528, 21.3224**, and **13.5608, 6.9638, 1.8577** is the 20% darker color. If you saturate the color by 10%, you get **29.8166, 15.2322, 7.6663**, and if you desaturate by 10%, it is **30.6341, 16.0107, 10.5793**.

Distribution



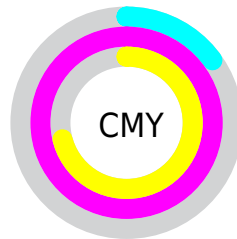
- Red (85%)
- Green (0%)
- Blue (29%)



- Red (85%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.8179, 15.2328, 7.6720 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 29.8179, 15.2328, 7.6720 by changing the saturation by 10% instead.


 29.8179, 15.2328,
7.6720


 29.8179, 15.2328,
7.6720


292.9798,
224.7710, 182.9737


 19.8478, 8.9829,
3.8010


 58.7627, 35.2611,
21.8483


 12.3921, 4.7301,
1.5168

 78.4681, 49.8083,
32.9908

 7.0854, 2.0898,
0.2304


 102.1493, 67.8900,
47.3942

 3.5624, 0.6589,
0.0000

 130.1716, 89.8907,
65.4770

 1.4577, 0.0000,
0.0000

 162.9005,
116.1948, 87.6578

 0.2967, 0.0000,
0.0000

 200.7013,

 0.0000, 0.0000,

147.1866, 114.3552

0.0000

243.9392,
183.2505, 145.9876

■ 29.8179, 15.2328,
7.6720

■ 29.8179, 15.2328,
7.6720

■ 29.8166, 15.2322,
7.6663

■ 30.6341, 16.0107,
10.5793

■ 31.8841, 17.4677,
14.2113

■ 33.6786, 19.8153,
18.6368

■ 36.0817, 23.1719,
23.9065

■ 39.1479, 27.6379,
30.0660

■ 42.9255, 33.3011,
37.1575

■ 47.4578, 40.2408,
45.2199

■ 52.7850, 48.5290,
54.2898

■ 58.9439, 58.2327,
64.4019

Harmonies

Analogous

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



30.4441, 15.2328, 24.8388



29.8179, 15.2328, 7.6720



24.4281, 15.2328, 1.6502

Triad

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



29.8179, 15.2328, 7.6720



7.0130, 15.2328, 2.3834



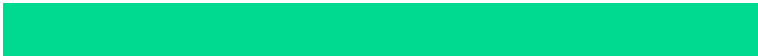
12.1163, 15.2328, 81.8956

Complementary

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



29.8179, 15.2328, 7.6720



29.8511, 51.6408, 34.7995

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.



7.6805, 15.2328, 60.1790



29.8179, 15.2328, 7.6720



5.3785, 15.2328, 10.3994

Square

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



29.8179, 15.2328, 7.6720



10.8871, 15.2328, 0.4556



5.5795, 15.2328, 30.6109



18.7834, 15.2328, 78.7464

Rectangle

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



29.8179, 15.2328, 7.6720



19.5655, 15.2328, 0.5570



5.5795, 15.2328, 30.6109



10.3595, 15.2328, 76.8520

Sweetspot

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



29.8183, 15.2338, 7.6722



68.1860, 57.6705, 64.8052



23.5208, 10.6794, 66.4669



13.9735, 11.3887, 12.7794



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.



29.8183, 15.2338, 7.6722



42.9095, 21.9278, 10.7213



29.1480, 15.8169, 1.5181



13.2358, 13.1234, 14.5028



18.0937, 9.2385, 4.8736



1.2116, 0.6143, 0.5230

Inverse Universe

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



29.8183, 15.2338, 7.6722



42.9095, 21.9278, 10.7213



29.7605, 39.4812, 71.6973



13.2358, 13.1234, 14.5028



18.0937, 9.2385, 4.8736



1.2116, 0.6143, 0.5230

Previews

White Background



This preview shows how the XYZ color 29.8179, 15.2328, 7.6720 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 29.8179, 15.2328, 7.6720 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 29.8179, 15.2328, 7.6720

Background



This preview shows how black text looks on a background with the XYZ color 29.8179, 15.2328, 7.6720.



This preview shows how white text looks on a background with the XYZ color 29.8179, 15.2328,

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

29.8179, 15.2328, 7.6720

Protanopia

15.1692, 15.7908, 16.1583

Deuteranopia

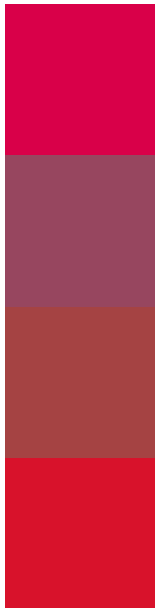
16.0429, 15.8178, 6.9102



Tritanopia

28.9447, 15.5522, 2.4536

Trichromacy



Original Color

29.8179, 15.2328, 7.6720

Protanomaly

17.0182, 11.7859, 12.2044

Deuteranomaly

18.5373, 12.4189, 6.7303

Tritanomaly

28.9713, 15.2060, 3.6936

Monochromacy



Original Color

29.8179, 15.2328, 7.6720

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

10.6370, 6.7950, 7.0543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8179, 15.2328, 7.6720 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, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 73)  
}
```

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, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 29.8179, 15.2328, 7.6720 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, 0, 73) }
```


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

```
.border{ border-color:rgb(217, 0, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(217, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.8179, 15.2328, 7.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 73) }
```

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

```
.background{ background-color: rgb(217, 0,  
73) }
```

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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