

Converting Colors

XYZ(28.2320, 15.2241, 8.5399)

Have a look what the booklet for
XYZ(28.2320, 15.2241, 8.5399)
contains.

XYZ(28.1779, 15.1788, 8.4658)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.1779, 15.1788,
8.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	D1214D
RGB	209, 33, 77
RGB Percent	82%, 13%, 30%
CMY	0.1804, 0.8705, 0.6980
CMYK	0.00, 0.84, 0.63, 0.18
HSL	345°, 73%, 47%
HSV	345°, 84%, 82%
XYZ	28.1779, 15.1788, 8.4658
YIQ	90.6400, 90.7720, 50.9960

Conversions

Conversions Part 2

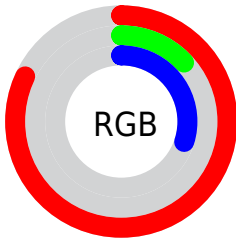
Format	Color
RYB	209, 33, 77
Decimal	13705549
CIELab	45.88, 66.68, 21.32
CIELCh	46, 70.006, 17.734
Yxy	15.1788, 0.5437, 0.2929
Android (android.graphics.Color)	4291895629 (0xFFD1214D)
YUV	90.6400, -6.7245, 103.8017
Hunter-Lab	38.9600, 60.9206, 14.3886

Details

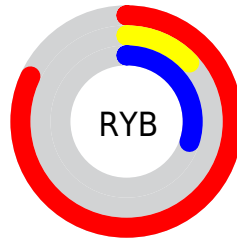
The XYZ color **28.1779, 15.1788, 8.4658** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.2211, 48.6415, 43.4010**, and the grayscale version is **9.8644, 10.3781, 11.3018**.

A 20% lighter version of the original color is **49.4677, 31.6900, 23.2482**, and **12.3214, 6.3185, 2.0836** is the 20% darker color. If you saturate the color by 10%, you get **27.2783, 14.1615, 5.7564**, and if you desaturate by 10%, it is **29.5712, 16.9704, 11.9980**.

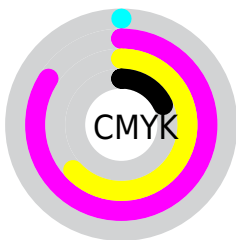
Distribution



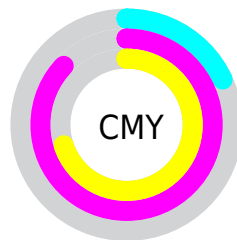
- Red (82%)
- Green (13%)
- Blue (30%)



- Red (82%)
- Yellow (13%)
- Blue (30%)



- Cyan (0%)
- Magenta (84%)
- Yellow (63%)
- Black (18%)





- Cyan (18%)
- Magenta (87%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1779, 15.1788, 8.4658 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 28.1779, 15.1788, 8.4658 by changing the saturation by 10% instead.


 28.1779, 15.1788,
8.4658


 28.1779, 15.1788,
8.4658


285.3807,
224.4459, 189.4101


 18.6009, 8.9450,
4.3024


 56.1750, 35.1665,
23.4277

 11.4846, 4.7053,
1.7927


 75.3259, 49.6892,
35.0633


 6.4634, 2.0754,
0.4231


 98.3987, 67.7437,
50.0268

 3.1722, 0.6507,
0.0000

 125.7590, 89.7143,
68.7366

 1.2455, 0.0000,
0.0000

 157.7719,
115.9854, 91.6113

 0.1418, 0.0000,
0.0000

 194.8030,

 0.0000, 0.0000,

146.9414, 119.0694

0.0000

237.2174,
182.9668, 151.5295

■ 28.1779, 15.1788,
8.4658

■ 28.1779, 15.1788,
8.4658

■ 27.2783, 14.1615,
5.7564

■ 29.5712, 16.9704,
11.9980

■ 26.9195, 13.8053,
4.5225

■ 31.5236, 19.6528,
16.4180

■ 34.0914, 23.3254,
21.7840

■ 37.3231, 28.0735,
28.1490

■ 41.2622, 33.9732,
35.5617

■ 45.9487, 41.0938,
44.0676

■ 51.4193, 49.4990,
53.7094

■ 57.7083, 59.2479,
64.5274

■ 64.8480, 70.3962,
76.5601

Harmonies

Analogous

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



28.6185, 15.1788, 24.4473



28.1779, 15.1788, 8.4658



23.4957, 15.1788, 2.2496

Triad

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



28.1779, 15.1788, 8.4658



7.5473, 15.1788, 2.8817



12.1456, 15.1788, 73.0617

Complementary

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



28.1779, 15.1788, 8.4658



30.2211, 48.6415, 43.4010

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.



8.0559, 15.1788, 54.1882



28.1779, 15.1788, 8.4658



5.9299, 15.1788, 10.5340

Square

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



28.1779, 15.1788, 8.4658



11.2359, 15.1788, 0.8684



6.0863, 15.1788, 28.5501



18.1714, 15.1788, 70.9190

Rectangle

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



28.1779, 15.1788, 8.4658



19.1737, 15.1788, 1.0012



6.0863, 15.1788, 28.5501



10.5365, 15.1788, 68.6210

Sweetspot

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



28.1783, 15.1797, 8.4660



71.2103, 63.1447, 67.5838



27.5708, 13.6918, 61.5110



14.6633, 12.6342, 13.4226



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.



28.1783, 15.1797, 8.4660



42.1578, 21.6271, 6.7631



29.2239, 18.9747, 3.5623



11.9282, 11.8560, 12.8978



16.6314, 8.5254, 2.9654



0.9624, 0.4897, 0.3366

Inverse Universe

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



28.1783, 15.1797, 8.4660



42.1578, 21.6271, 6.7631



25.5921, 31.8387, 65.1180



11.9282, 11.8560, 12.8978



16.6314, 8.5254, 2.9654



0.9624, 0.4897, 0.3366

Previews

White Background



This preview shows how the XYZ color 28.1779, 15.1788, 8.4658 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 28.1779, 15.1788, 8.4658 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 28.1779, 15.1788, 8.4658

Background



This preview shows how black text looks on a background with the XYZ color 28.1779, 15.1788, 8.4658.



This preview shows how white text looks on a background with the XYZ color 28.1779, 15.1788,

8.4658.

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

28.1779, 15.1788, 8.4658

Protanopia

14.9110, 15.4861, 16.6712

Deuteranopia

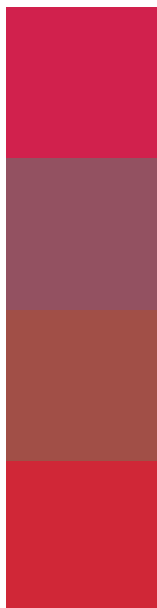
15.7678, 15.5071, 7.6309



Tritanopia

27.2583, 15.2330, 3.6941

Trichromacy



Original Color

28.1779, 15.1788, 8.4658

Protanomaly

17.1327, 12.9510, 12.9061

Deuteranomaly

18.6313, 13.6240, 7.6089

Tritanomaly

27.4275, 15.1368, 5.0905

Monochromacy



Original Color

28.1779, 15.1788, 8.4658

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

13.7014, 10.1205, 10.0354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1779, 15.1788, 8.4658 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(209, 33, 77)` looks like.

```
.text, #text, p{  
    color:rgb(209, 33, 77)  
}
```

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(209, 33, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 33, 77) }
```

Border

The CSS property to change the border of an element to XYZ 28.1779, 15.1788, 8.4658 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(209, 33, 77) }
```


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

```
.border{ border-color:rgb(209, 33, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 33, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 33, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 33, 77);  
box-shadow:4px 4px 4px 4px rgb(209, 33,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1779, 15.1788, 8.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 33, 77) }
```

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

```
.background{ background-color: rgb(209, 33,  
77) }
```

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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