

Converting Colors

XYZ(28.3781, 14.7435, 5.5348)

Have a look what the booklet for
XYZ(28.3781, 14.7435, 5.5348)
contains.

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Color

**XYZ(28.3739, 14.7497,
5.4892)**

Conversions

Conversions Part 1

Format	Color
Hex	D50D3B
RGB	213, 13, 59
RGB Percent	84%, 5%, 23%
CMY	0.1647, 0.9489, 0.7686
CMYK	0.00, 0.94, 0.72, 0.16
HSL	346°, 88%, 44%
HSV	346°, 94%, 84%
XYZ	28.3739, 14.7497, 5.4892
YIQ	78.0440, 104.4340, 56.7060

Conversions

Conversions Part 2

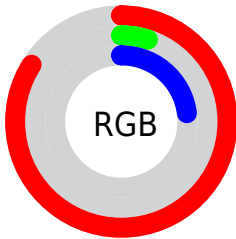
Format	Color
RYB	213, 13, 59
Decimal	13962555
CIELab	45.29, 69.99, 31.79
CIELCh	45, 76.869, 24.427
Yxy	14.7497, 0.5837, 0.3034
Android (android.graphics.Color)	4292152635 (0xFFD50D3B)
YUV	78.0440, -9.3887, 118.3564
Hunter-Lab	38.4053, 64.6666, 18.4095

Details

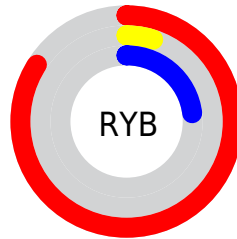
The XYZ color **28.3739, 14.7497, 5.4892** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **30.9391, 50.4654, 44.6871**, and the grayscale version is **7.2569, 7.6349, 8.3144**.

A 20% lighter version of the original color is **47.5826, 29.7828, 16.8764**, and **12.5036, 6.4332, 1.1550** is the 20% darker color. If you saturate the color by 10%, you get **27.9939, 14.3675, 4.1990**, and if you desaturate by 10%, it is **29.3060, 15.8230, 8.2390**.

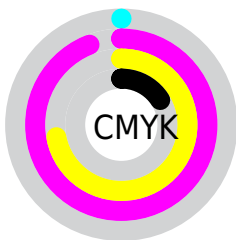
Distribution



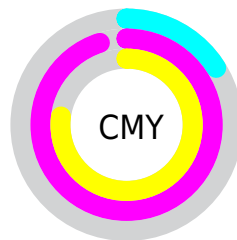
- Red (84%)
- Green (5%)
- Blue (23%)



- Red (84%)
- Yellow (5%)
- Blue (23%)



- Cyan (0%)
- Magenta (94%)
- Yellow (72%)
- Black (16%)





- Cyan (16%)
- Magenta (95%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3739, 14.7497, 5.4892 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 28.3739, 14.7497, 5.4892 by changing the saturation by 10% instead.


 28.3739, 14.7497,
5.4892


 28.3739, 14.7497,
5.4892


286.2970,
221.8462, 163.5662


 18.7496, 8.6439,
2.4733


 56.4853, 34.4135,
17.3201


 11.5924, 4.5097,
0.8260


 75.7031, 48.7403,
26.9722

 6.5370, 1.9625,
0.0000


 98.8495, 66.5761,
39.6735

 3.2180, 0.5856,
0.0000

 126.2898, 88.3056,
55.8424

 1.2701, 0.0000,
0.0000

 158.3893,
114.3129, 75.8977

 0.1606, 0.0000,
0.0000

 195.5135,

 0.0000, 0.0000,

144.9825, 100.2577

0.0000

238.0276,
180.6988, 129.3410

■ 28.3739, 14.7497,
5.4892

■ 28.3739, 14.7497,
5.4892

■ 27.9939, 14.3675,
4.1990

■ 29.3060, 15.8230,
8.2390

■ 30.7605, 17.7087,
11.8782

■ 32.8080, 20.5323,
16.4807

■ 35.5075, 24.3968,
22.1114

■ 38.9106, 29.3917,
28.8296

■ 43.0634, 35.5967,
36.6897

■ 48.0082, 43.0844,
45.7425

■ 53.7839, 51.9215,
56.0355

■ 60.4269, 62.1702,
67.6138

Harmonies

Analogous

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



30.0667, 14.7497, 19.7095



28.3739, 14.7497, 5.4892



22.4113, 14.7497, 1.0933

Triad

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



28.3739, 14.7497, 5.4892



6.2353, 14.7497, 3.0823



12.8640, 14.7497, 82.2910

Complementary

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



28.3739, 14.7497, 5.4892



30.9391, 50.4654, 44.6871

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.



8.0371, 14.7497, 64.7603



28.3739, 14.7497, 5.4892



5.0261, 14.7497, 12.8912

Square

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



28.3739, 14.7497, 5.4892



9.5430, 14.7497, 0.5661



5.5682, 14.7497, 35.3505



19.7132, 14.7497, 73.7713

Rectangle

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



28.3739, 14.7497, 5.4892



17.5678, 14.7497, 0.2823



5.5682, 14.7497, 35.3505



10.9838, 14.7497, 79.0041

Sweetspot

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



28.3742, 14.7506, 5.4894



68.7242, 59.5457, 62.5222



27.9522, 13.2368, 64.0321



14.0346, 11.7247, 12.1400



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.



28.3742, 14.7506, 5.4894



42.0194, 21.5718, 6.0345



29.4826, 18.1139, 2.3245



12.5390, 12.4671, 13.5128



17.1326, 8.7894, 2.7366



1.0656, 0.5430, 0.3348

Inverse Universe

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



28.3742, 14.7506, 5.4894



42.0194, 21.5718, 6.0345



24.6915, 29.9194, 67.4240



12.5390, 12.4671, 13.5128



17.1326, 8.7894, 2.7366



1.0656, 0.5430, 0.3348

Previews

White Background



This preview shows how the XYZ color 28.3739, 14.7497, 5.4892 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 28.3739, 14.7497, 5.4892 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 28.3739, 14.7497, 5.4892

Background



This preview shows how black text looks on a background with the XYZ color 28.3739, 14.7497, 5.4892.



This preview shows how white text looks on a background with the XYZ color 28.3739, 14.7497,

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

28.3739, 14.7497, 5.4892

Protanopia

14.1942, 15.0745, 11.3941

Deuteranopia

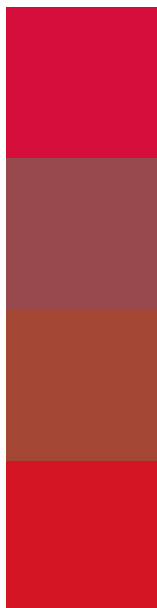
15.3754, 15.0648, 4.8937



Tritanopia

27.6656, 14.7938, 2.1564

Trichromacy



Original Color

28.3739, 14.7497, 5.4892

Protanomaly

16.4846, 11.8802, 8.4455

Deuteranomaly

17.9142, 12.4148, 4.7009

Tritanomaly

27.7229, 14.6547, 2.9576

Monochromacy



Original Color

28.3739, 14.7497, 5.4892

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

11.2089, 7.6053, 6.8384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3739, 14.7497, 5.4892 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(213, 13, 59)` looks like.

```
.text, #text, p{  
    color:rgb(213, 13, 59)  
}
```

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(213, 13, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 13, 59) }
```

Border

The CSS property to change the border of an element to XYZ 28.3739, 14.7497, 5.4892 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(213, 13, 59) }
```


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

```
.border{ border-color:rgb(213, 13, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 13, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 13, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 13, 59);  
box-shadow:4px 4px 4px 4px rgb(213, 13,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3739, 14.7497, 5.4892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 13, 59) }
```

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

```
.background{ background-color: rgb(213, 13,  
59) }
```

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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