

Converting Colors

XYZ(28.6936, 15.2046, 9.0660)

Have a look what the booklet for
XYZ(28.6936, 15.2046, 9.0660)
contains.

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Color

**XYZ(28.7039, 15.2119,
9.0128)**

Conversions

Conversions Part 1

Format	Color
Hex	D31B50
RGB	211, 27, 80
RGB Percent	83%, 11%, 31%
CMY	0.1726, 0.8940, 0.6863
CMYK	0.00, 0.87, 0.62, 0.17
HSL	343°, 77%, 47%
HSV	343°, 87%, 83%
XYZ	28.7039, 15.2119, 9.0128
YIQ	88.0580, 92.6510, 55.4910

Conversions

Conversions Part 2

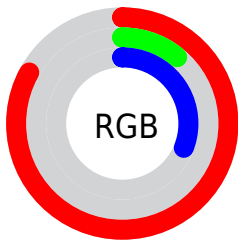
Format	Color
RYB	211, 27, 80
Decimal	13835088
CIELab	45.92, 68.55, 19.60
CIElCh	46, 71.295, 15.958
Yxy	15.2119, 0.5423, 0.2874
Android (android.graphics.Color)	4292025168 (0xFFD31B50)
YUV	88.0580, -3.9726, 107.8201
Hunter-Lab	39.0024, 63.1131, 13.6008

Details

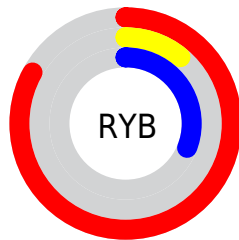
The XYZ color **28.7039, 15.2119, 9.0128** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **29.9199, 49.2909, 40.2936**, and the grayscale version is **9.2848, 9.7684, 10.6377**.

A 20% lighter version of the original color is **49.4771, 31.3944, 24.2209**, and **12.7129, 6.5169, 2.2569** is the 20% darker color. If you saturate the color by 10%, you get **27.8816, 14.3587, 6.2995**, and if you desaturate by 10%, it is **29.9924, 16.7993, 12.4941**.

Distribution



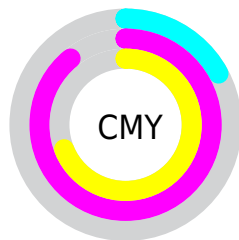
- Red (83%)
- Green (11%)
- Blue (31%)



- Red (83%)
- Yellow (11%)
- Blue (31%)



- Cyan (0%)
- Magenta (87%)
- Yellow (62%)
- Black (17%)





- Cyan (17%)
- Magenta (89%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7039, 15.2119, 9.0128 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 28.7039, 15.2119, 9.0128 by changing the saturation by 10% instead.

 28.7039, 15.2119,
9.0128


 28.7039, 15.2119,
9.0128


287.8348,
224.6452, 193.6949


 19.0001, 8.9682,
4.6526


 57.0071, 35.2245,
24.4994


 11.7744, 4.7205,
1.9898


 76.3373, 49.7622,
36.4630

 6.6613, 2.0842,
0.5490


 99.6069, 67.8334,
51.7980

 3.2956, 0.6557,
0.0000

 127.1814, 89.8224,
70.9231

 1.3120, 0.0000,
0.0000

 159.4260,
116.1138, 94.2568

 0.1922, 0.0000,
0.0000

 196.7062,

 0.0000, 0.0000,

147.0917, 122.2177

0.0000

239.3874,
183.1408, 155.2242

■ 28.7039, 15.2119,
9.0128

■ 28.7039, 15.2119,
9.0128

■ 27.8816, 14.3587,
6.2995

■ 29.9924, 16.7993,
12.4941

■ 27.6998, 14.1832,
5.6589

■ 31.8227, 19.2591,
16.8058

■ 34.2534, 22.6978,
22.0020

■ 37.3350, 27.2059,
28.1315

■ 41.1123, 32.8633,
35.2395

■ 45.6262, 39.7425,
43.3678

■ 50.9140, 47.9097,
52.5557

■ 57.0109, 57.4266,
62.8405

■ 63.9495, 68.3506,
74.2575

Harmonies

Analogous

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



28.8626, 15.2119, 25.9891



28.7039, 15.2119, 9.0128



24.1012, 15.2119, 2.3286

Triad

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



28.7039, 15.2119, 9.0128



7.6268, 15.2119, 2.5472



11.8255, 15.2119, 74.1105

Complementary

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



28.7039, 15.2119, 9.0128



29.9199, 49.2909, 40.2936

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.



7.8070, 15.2119, 53.6969



28.7039, 15.2119, 9.0128



5.8796, 15.2119, 9.7462

Square

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



28.7039, 15.2119, 9.0128



11.5013, 15.2119, 0.7432



5.9348, 15.2119, 27.4633



17.8835, 15.2119, 73.3335

Rectangle

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



28.7039, 15.2119, 9.0128



19.7110, 15.2119, 0.9836



5.9348, 15.2119, 27.4633



10.2332, 15.2119, 69.1036

Sweetspot

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



28.7043, 15.2128, 9.0130



70.7328, 62.0701, 67.7934



25.8230, 12.5365, 62.6866



14.5840, 12.4336, 13.5253



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.



28.7043, 15.2128, 9.0130



42.4570, 21.7468, 8.3385



28.8850, 17.5741, 2.9079



11.9467, 11.8634, 12.9953



16.7556, 8.5751, 3.6189



0.9713, 0.4932, 0.3838

Inverse Universe

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



28.7043, 15.2128, 9.0130



42.4570, 21.7468, 8.3385



27.3858, 35.2873, 66.9956



11.9467, 11.8634, 12.9953



16.7556, 8.5751, 3.6189



0.9713, 0.4932, 0.3838

Previews

White Background



This preview shows how the XYZ color 28.7039, 15.2119, 9.0128 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

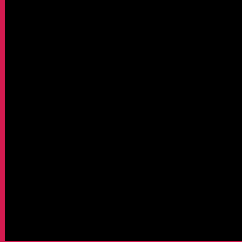
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7039, 15.2119, 9.0128

Background



This preview shows how black text looks on a background with the XYZ color 28.7039, 15.2119, 9.0128.



This preview shows how white text looks on a background with the XYZ color 28.7039, 15.2119,

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

28.7039, 15.2119, 9.0128

Protanopia

15.0614, 15.5317, 18.1237

Deuteranopia

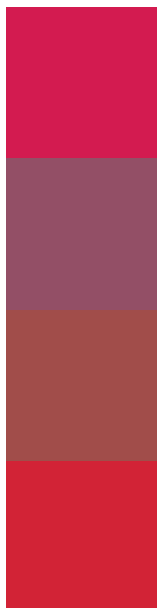
15.7046, 15.4636, 8.1183



Tritanopia

27.7033, 15.3657, 3.4252

Trichromacy



Original Color

28.7039, 15.2119, 9.0128

Protanomaly

17.2269, 12.7543, 14.1242

Deuteranomaly

18.5879, 13.3792, 8.0813

Tritanomaly

27.8452, 15.1700, 4.9505

Monochromacy



Original Color

28.7039, 15.2119, 9.0128

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.2608, 9.5389, 9.7366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7039, 15.2119, 9.0128 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(211, 27, 80)` looks like.

```
.text, #text, p{  
  color:rgb(211, 27, 80)  
}
```

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(211, 27, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 27, 80) }
```

Border

The CSS property to change the border of an element to XYZ 28.7039, 15.2119, 9.0128 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(211, 27, 80) }
```


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

```
.border{ border-color:rgb(211, 27, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 27, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 27, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 27, 80);  
box-shadow:4px 4px 4px 4px rgb(211, 27,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7039, 15.2119, 9.0128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 27, 80) }
```

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

```
.background{ background-color: rgb(211, 27,  
80) }
```

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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