

Converting Colors

XYZ(29.8865, 15.9164, 29.4623)

Have a look what the booklet for
XYZ(29.8865, 15.9164, 29.4623)
contains.

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Color

**XYZ(29.9235, 15.9351,
29.5156)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C82894 |
| RGB | 200, 40, 148 |
| RGB Percent | 78%, 16%, 58% |
| CMY | 0.2157, 0.8431, 0.4196 |
| CMYK | 0.00, 0.80, 0.26, 0.22 |
| HSL | 320°, 67%, 47% |
| HSV | 320°, 80%, 78% |
| XYZ | 29.9235, 15.9351, 29.5156 |
| YIQ | 100.1520, 60.6920, 67.5080 |

Conversions

Conversions Part 2

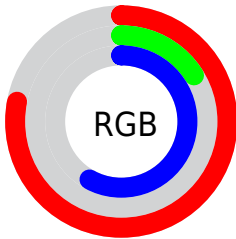
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 200, 40, 148 |
| Decimal | 13117588 |
| CIE _{Lab} | 46.89, 69.07, -21.01 |
| CIE _{LCh} | 47, 72.193, 343.082 |
| Yxy | 15.9351, 0.3970, 0.2114 |
| Android (android.graphics.Color) | 4291307668 (0xFFC82894) |
| YUV | 100.1520, 23.5891, 87.5667 |
| Hunter-Lab | 39.9188, 63.9474, -15.8953 |

Details

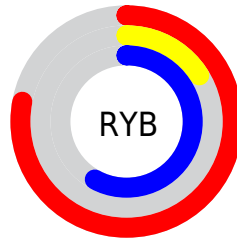
The XYZ color **29.9235, 15.9351, 29.5156** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **23.4622, 42.5329, 17.1011**, and the grayscale version is **12.0843, 12.7136, 13.8451**.

A 20% lighter version of the original color is **56.8510, 35.4249, 59.7184**, and **13.1422, 6.5258, 11.8762** is the 20% darker color. If you saturate the color by 10%, you get **28.9149, 14.7181, 26.7116**, and if you desaturate by 10%, it is **31.3105, 17.8622, 32.5885**.

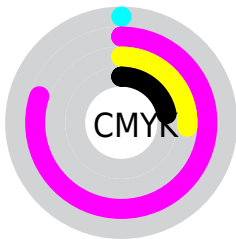
Distribution



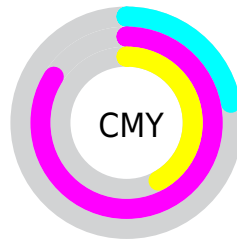
- Red (78%)
- Green (16%)
- Blue (58%)



- Red (78%)
- Yellow (16%)
- Blue (58%)



- Cyan (0%)
- Magenta (80%)
- Yellow (26%)
- Black (22%)





- Cyan (22%)
- Magenta (84%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9235, 15.9351, 29.5156 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 29.9235, 15.9351, 29.5156 by changing the saturation by 10% instead.

 29.9235, 15.9351,
29.5156


 29.9235, 15.9351,
29.5156


293.4639,
228.9585, 313.7767

 19.9283, 9.4782,
19.2223


 58.9286, 36.4855,
59.9472


 12.4509, 5.0544,
11.6526

 78.6693, 51.3478,
80.9226


 7.1259, 2.2792,
6.3879


 102.3892, 69.7808,
106.2957

 3.5880, 0.7627,
3.0098

 130.4536, 92.1687,
136.4851

 1.4718, 0.0000,
1.0996

 163.2279,
118.8961, 171.9094

 0.3065, 0.0000,
0.0000

 201.0775,

 0.0000, 0.0000,

150.3472, 212.9871

0.0000

244.3677,
186.9065, 260.1367

■ 29.9235, 15.9351,
29.5156

■ 29.9235, 15.9351,
29.5156

■ 28.9149, 14.7181,
26.7116

■ 31.3105, 17.8622,
32.5885

■ 28.1927, 14.0289,
24.1434

■ 33.1222, 20.5918,
35.9477

■ 28.1923, 14.0285,
24.1418

■ 35.3994, 24.2048,
39.6091

■ 38.1777, 28.7714,
43.5868

■ 41.4889, 34.3551,
47.8935

■ 45.3625, 41.0134,
52.5411

■ 49.8252, 48.7998,
57.5404

■ 54.9025, 57.7641,
62.9021

■ 60.6180, 67.9533,
68.6359

Harmonies

Analogous

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



25.0061, 15.9351, 56.9667



29.9235, 15.9351, 29.5156



30.2548, 15.9351, 10.6290

Triad

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



29.9235, 15.9351, 29.5156



12.5686, 15.9351, 0.7358



7.9153, 15.9351, 53.4199

Complementary

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



29.9235, 15.9351, 29.5156



23.4622, 42.5329, 17.1011

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.



6.1522, 15.9351, 26.4367



29.9235, 15.9351, 29.5156



8.2927, 15.9351, 2.3522

Square

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



29.9235, 15.9351, 29.5156



18.9471, 15.9351, 0.8232



6.2679, 15.9351, 9.0935



11.8903, 15.9351, 76.1119

Rectangle

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



29.9235, 15.9351, 29.5156



27.7159, 15.9351, 4.4757



6.2679, 15.9351, 9.0935



7.1008, 15.9351, 43.9752

Sweetspot

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



29.9240, 15.9359, 29.5159



75.4984, 65.7590, 87.3931



15.4670, 7.8962, 55.3526



15.6500, 13.2007, 18.0887



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.



29.9240, 15.9359, 29.5159



49.1313, 24.5937, 42.9389



25.6636, 14.2318, 7.0807



10.9308, 10.7557, 12.6189



17.9682, 8.9369, 15.5744



0.8830, 0.4360, 0.9071

Inverse Universe

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



29.9240, 15.9359, 29.5159



49.1313, 24.5937, 42.9389



28.8491, 44.6877, 45.4680



10.9308, 10.7557, 12.6189



17.9682, 8.9369, 15.5744



0.8830, 0.4360, 0.9071

Previews

White Background



This preview shows how the XYZ color 29.9235, 15.9351, 29.5156 looks on a white background.

Color Contrast Check

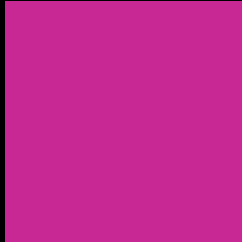
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9235, 15.9351, 29.5156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

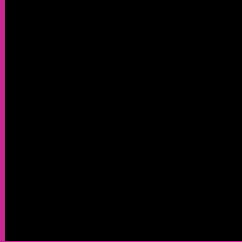
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.9235, 15.9351, 29.5156

Background



This preview shows how black text looks on a background with the XYZ color 29.9235, 15.9351, 29.5156.



This preview shows how white text looks on a background with the XYZ color 29.9235, 15.9351,

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

29.9235, 15.9351, 29.5156

Protanopia

18.3482, 16.3726, 56.8368

Deuteranopia

16.5428, 16.2672, 26.6941



Tritanopia

25.3926, 15.9386, 7.6993

Trichromacy



Original Color

29.9235, 15.9351, 29.5156



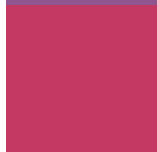
Protanomaly

18.8469, 13.4588, 45.3205



Deuteranomaly

19.2863, 14.2008, 27.3157



Tritanomaly

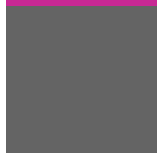
26.4802, 15.5629, 13.4127

Monochromacy



Original Color

29.9235, 15.9351, 29.5156



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

16.0886, 11.9674, 18.2916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9235, 15.9351, 29.5156 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(200, 40, 148)` looks like.

```
.text, #text, p{  
    color:rgb(200, 40, 148)  
}
```

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(200, 40, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 40, 148) }
```

Border

The CSS property to change the border of an element to XYZ 29.9235, 15.9351, 29.5156 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(200, 40, 148) }
```


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

```
.border{ border-color:rgb(200, 40, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 40, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 40, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 40, 148);  
box-shadow:4px 4px 4px 4px rgb(200, 40,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9235, 15.9351, 29.5156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 40, 148) }
```

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

```
.background{ background-color: rgb(200, 40,  
148) }
```

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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