

Converting Colors

XYZ(29.4718, 16.5118, 23.8151)

Have a look what the booklet for
XYZ(29.4718, 16.5118, 23.8151)
contains.

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Color

**XYZ(29.5490, 16.5669,
23.8306)**

Conversions

Conversions Part 1

Format	Color
Hex	C93485
RGB	201, 52, 133
RGB Percent	79%, 20%, 52%
CMY	0.2118, 0.7960, 0.4784
CMYK	0.00, 0.74, 0.34, 0.21
HSL	327°, 59%, 50%
HSV	327°, 74%, 79%
XYZ	29.5490, 16.5669, 23.8306
YIQ	105.7850, 62.8030, 56.7790

Conversions

Conversions Part 2

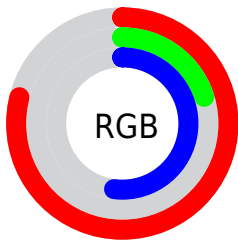
Format	Color
R_{YB}	201, 52, 133
Decimal	13186181
CIE _{Lab}	47.71, 64.11, -10.68
CIE _{LCh}	48, 64.992, 350.538
Yxy	16.5669, 0.4225, 0.2369
Android (android.graphics.Color)	4291376261 (0xFFC93485)
YUV	105.7850, 13.4170, 83.5036
Hunter-Lab	40.7025, 58.3574, -6.2216

Details

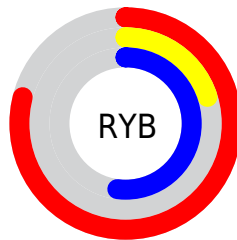
The XYZ color **29.5490, 16.5669, 23.8306** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **25.6940, 43.8599, 24.8838**, and the grayscale version is **13.5943, 14.3023, 15.5752**.

A 20% lighter version of the original color is **55.8971, 36.3935, 50.5329**, and **12.7167, 6.3753, 8.7439** is the 20% darker color. If you saturate the color by 10%, you get **28.2286, 14.8965, 20.3988**, and if you desaturate by 10%, it is **31.3074, 19.0246, 27.6818**.

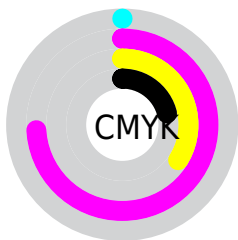
Distribution



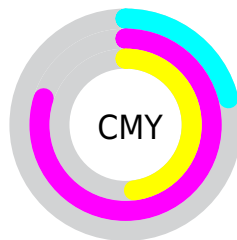
- Red (79%)
- Green (20%)
- Blue (52%)



- Red (79%)
- Yellow (20%)
- Blue (52%)



- Cyan (0%)
- Magenta (74%)
- Yellow (34%)
- Black (21%)





- Cyan (21%)
- Magenta (80%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5490, 16.5669, 23.8306 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 29.5490, 16.5669, 23.8306 by changing the saturation by 10% instead.


 29.5490, 16.5669,
23.8306


 29.5490, 16.5669,
23.8306


291.7442,
232.6640, 285.2219


 19.6429, 9.9262,
14.9970


 58.3398, 37.5796,
50.6940

 12.2425, 5.3500,
8.6707


 77.9551, 52.7204,
69.5608


 6.9824, 2.4541,
4.4331


 101.5376, 71.4633,
92.6091

 3.4973, 0.8535,
1.8658

 129.4525, 94.1928,
120.2575

 1.4219, 0.0000,
0.4709

 162.0653,
121.2932, 152.9244

 0.2717, 0.0000,
0.0000

199.7413,

 0.0000, 0.0000,

153.1490, 191.0284

0.0000

242.8458,
190.1444, 234.9880

■ 29.5490, 16.5669,
23.8306

■ 29.5490, 16.5669,
23.8306

■ 28.2286, 14.8965,
20.3988

■ 31.3074, 19.0246,
27.6818

■ 27.2912, 13.9057,
17.3608

■ 33.5469, 22.3538,
31.9730

■ 26.8619, 13.5273,
15.7376

■ 36.3067, 26.6306,
36.7240

■ 39.6212, 31.9220,
41.9525

■ 43.5219, 38.2890,
47.6749

■ 48.0379, 45.7877,
53.9070

■ 53.1960, 54.4702,
60.6634

■ 59.0218, 64.3854,
67.9580

■ 65.5390, 75.5794,
75.8043

Harmonies

Analogous

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



26.0510, 16.5669, 47.0000



29.5490, 16.5669, 23.8306



28.7074, 16.5669, 8.9758

Triad

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



29.5490, 16.5669, 23.8306



12.1407, 16.5669, 1.5996



9.6560, 16.5669, 55.7699

Complementary

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



29.5490, 16.5669, 23.8306



25.6940, 43.8599, 24.8838

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.



7.4258, 16.5669, 31.7648



29.5490, 16.5669, 23.8306



8.5959, 16.5669, 4.3819

Square

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



29.5490, 16.5669, 23.8306



17.6566, 16.5669, 1.3022



7.0926, 16.5669, 13.2704



13.9791, 16.5669, 71.6400

Rectangle

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



29.5490, 16.5669, 23.8306



25.8626, 16.5669, 4.2049



7.0926, 16.5669, 13.2704



8.6864, 16.5669, 47.8780

Sweetspot

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



29.5495, 16.5678, 23.8309



75.8386, 67.7401, 83.4969



19.3864, 10.5997, 56.2826



15.8063, 13.7964, 17.2674



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.



29.5495, 16.5678, 23.8309



47.2765, 24.3409, 31.6636



26.1172, 15.1949, 5.7567



10.8710, 10.7318, 12.3038



16.9365, 8.5242, 10.1413



0.8382, 0.4181, 0.6710

Inverse Universe

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



29.5495, 16.5678, 23.8309



47.2765, 24.3409, 31.6636



31.9905, 46.3785, 58.0406



10.8710, 10.7318, 12.3038



16.9365, 8.5242, 10.1413



0.8382, 0.4181, 0.6710

Previews

White Background



This preview shows how the XYZ color 29.5490, 16.5669, 23.8306 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 29.5490, 16.5669, 23.8306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

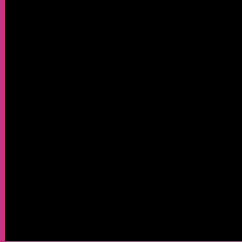
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.5490, 16.5669, 23.8306

Background



This preview shows how black text looks on a background with the XYZ color 29.5490, 16.5669, 23.8306.



This preview shows how white text looks on a background with the XYZ color 29.5490, 16.5669,

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

29.5490, 16.5669, 23.8306

Protanopia

17.8478, 16.9196, 42.3695

Deuteranopia

17.1318, 16.8426, 21.7500



Tritanopia

26.3567, 16.6076, 8.1198

Trichromacy



Original Color

29.5490, 16.5669, 23.8306

Protanomaly

19.4299, 14.7211, 34.6183

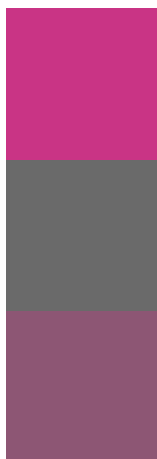
Deuteranomaly

19.9469, 15.2604, 22.3163

Tritanomaly

27.1318, 16.3870, 12.5595

Monochromacy



Original Color

29.5490, 16.5669, 23.8306

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

17.4647, 13.5793, 18.2236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5490, 16.5669, 23.8306 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(201, 52, 133)` looks like.

```
.text, #text, p{  
    color:rgb(201, 52, 133)  
}
```

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(201, 52, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 52, 133) }
```

Border

The CSS property to change the border of an element to XYZ 29.5490, 16.5669, 23.8306 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(201, 52, 133) }
```


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

```
.border{ border-color:rgb(201, 52, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 52, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 52, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 52, 133);  
box-shadow:4px 4px 4px 4px rgb(201, 52,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5490, 16.5669, 23.8306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 52, 133) }
```

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

```
.background{ background-color: rgb(201, 52,  
133) }
```

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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