

Converting Colors

XYZ(34.1596, 18.2865, 38.7264)

Have a look what the booklet for
XYZ(34.1596, 18.2865, 38.7264)
contains.

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Color

**XYZ(34.0968, 18.2701,
38.7752)**

Conversions

Conversions Part 1

Format	Color
Hex	D02FA8
RGB	208, 47, 168
RGB Percent	82%, 18%, 66%
CMY	0.1843, 0.8156, 0.3412
CMYK	0.00, 0.77, 0.19, 0.18
HSL	315°, 63%, 50%
HSV	315°, 77%, 82%
XYZ	34.0968, 18.2701, 38.7752
YIQ	108.9330, 57.1150, 71.7630

Conversions

Conversions Part 2

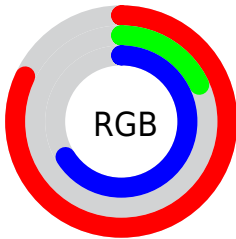
Format	Color
RYB	208, 47, 168
Decimal	13643688
CIELab	49.82, 71.56, -28.28
CIElCh	50, 76.941, 338.438
Yxy	18.2701, 0.3741, 0.2005
Android (android.graphics.Color)	4291833768 (0xFFD02FA8)
YUV	108.9330, 29.1200, 86.8818
Hunter-Lab	42.7435, 67.5894, -23.8650

Details

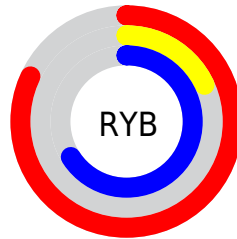
The XYZ color **34.0968, 18.2701, 38.7752** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **25.4495, 46.4048, 16.6349**, and the grayscale version is **14.4272, 15.1785, 16.5294**.

A 20% lighter version of the original color is **60.1352, 37.7396, 73.9270**, and **15.5468, 7.6505, 17.1803** is the 20% darker color. If you saturate the color by 10%, you get **32.9825, 16.7965, 36.0753**, and if you desaturate by 10%, it is **35.6274, 20.5450, 41.7085**.

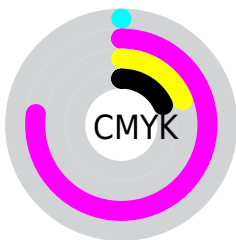
Distribution



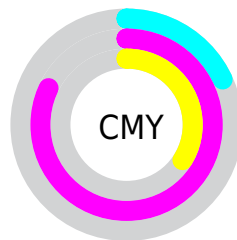
- Red (82%)
- Green (18%)
- Blue (66%)



- Red (82%)
- Yellow (18%)
- Blue (66%)



- Cyan (0%)
- Magenta (77%)
- Yellow (19%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.0968, 18.2701, 38.7752 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 34.0968, 18.2701, 38.7752 by changing the saturation by 10% instead.


 34.0968, 18.2701,
38.7752


 34.0968, 18.2701,
38.7752

312.1418,
242.3891, 356.3312


 23.1312, 11.1441,
26.2784


 65.4275, 40.4970,
74.5113


 14.8117, 6.1638,
16.8044


 86.5233, 56.3667,
98.5877


 8.7728, 2.9450,
9.9347


 111.7265, 75.9198,
127.3611

 4.6492, 1.1031,
5.2506

 141.4025, 99.5406,
161.2500

 2.0756, 0.0000,
2.3337

 175.9167,
127.6135, 200.6729

 0.6759, 0.0000,
0.7500

215.6344,

 0.0000, 0.0000,

160.5230, 246.0483

0.0000

260.9210,
198.6534, 297.7949

■ 34.0968, 18.2701,
38.7752

■ 34.0968, 18.2701,
38.7752

■ 32.9825, 16.7965,
36.0753

■ 35.6274, 20.5450,
41.7085

■ 32.2140, 15.9845,
33.5839

■ 37.6224, 23.7180,
44.8920

■ 32.0404, 15.8211,
32.9598

■ 40.1250, 27.8751,
48.3412

■ 43.1731, 33.0914,
52.0698

■ 46.8007, 39.4347,
56.0902

■ 51.0390, 46.9671,
60.4137

■ 55.9170, 55.7464,
65.0509

■ 61.4618, 65.8262,
70.0120

■ 67.6988, 77.2573,
75.3063

Harmonies

Analogous

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



27.7119, 18.2701, 71.3943



34.0968, 18.2701, 38.7752



35.4241, 18.2701, 14.5268

Triad

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



34.0968, 18.2701, 38.7752



15.3734, 18.2701, 0.6846



8.4834, 18.2701, 57.1374

Complementary

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



34.0968, 18.2701, 38.7752



25.4495, 46.4048, 16.6349

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.



6.8039, 18.2701, 26.4407



34.0968, 18.2701, 38.7752



9.9798, 18.2701, 2.0516

Square

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



34.0968, 18.2701, 38.7752



23.0919, 18.2701, 1.0033



7.2613, 18.2701, 8.4206



12.6734, 18.2701, 86.2360

Rectangle

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



34.0968, 18.2701, 38.7752



32.9861, 18.2701, 6.1764



7.2613, 18.2701, 8.4206



7.6692, 18.2701, 46.0513

Sweetspot

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



34.0974, 18.2710, 38.7755



76.8508, 67.2147, 91.6948



16.1100, 8.4995, 60.4662



15.9445, 13.4932, 19.1005



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.



34.0974, 18.2710, 38.7755



51.4265, 25.6768, 54.5161



28.8725, 16.1811, 11.2613



12.1800, 11.9568, 14.2239



20.0096, 9.8767, 20.7544



1.1494, 0.5645, 1.3215

Inverse Universe

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



34.0974, 18.2710, 38.7755



51.4265, 25.6768, 54.5161



30.5267, 48.4357, 43.3708



12.1800, 11.9568, 14.2239



20.0096, 9.8767, 20.7544



1.1494, 0.5645, 1.3215

Previews

White Background



This preview shows how the XYZ color 34.0968, 18.2701, 38.7752 looks on a white background.

Color Contrast Check

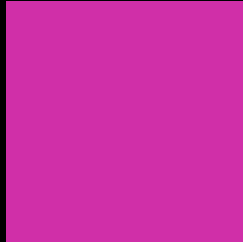
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.0968, 18.2701, 38.7752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

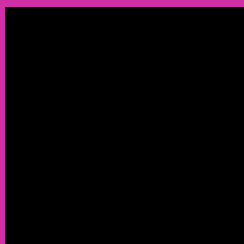
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.0968, 18.2701, 38.7752

Background



This preview shows how black text looks on a background with the XYZ color 34.0968, 18.2701, 38.7752.



This preview shows how white text looks on a background with the XYZ color 34.0968, 18.2701,

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

34.0968, 18.2701, 38.7752

Protanopia

21.6865, 18.8967, 73.0254

Deuteranopia

18.9260, 18.4770, 35.3698



Tritanopia

27.9963, 18.1963, 10.0193

Trichromacy



Original Color

34.0968, 18.2701, 38.7752



Protanomaly

21.7104, 15.4866, 58.9717



Deuteranomaly

22.0258, 16.2827, 36.1644



Tritanomaly

29.5575, 17.7852, 17.4978

Monochromacy



Original Color

34.0968, 18.2701, 38.7752



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.0341, 14.2870, 22.8736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0968, 18.2701, 38.7752 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(208, 47, 168)` looks like.

```
.text, #text, p{  
    color:rgb(208, 47, 168)  
}
```

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(208, 47, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 47, 168) }
```

Border

The CSS property to change the border of an element to XYZ 34.0968, 18.2701, 38.7752 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(208, 47, 168) }
```


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

```
.border{ border-color:rgb(208, 47, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 47, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 47, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 47, 168);  
box-shadow:4px 4px 4px 4px rgb(208, 47,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0968, 18.2701, 38.7752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 47, 168) }
```

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

```
.background{ background-color: rgb(208, 47,  
168) }
```

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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