

Converting Colors

XYZ(32.2675, 18.3690, 31.9819)

Have a look what the booklet for
XYZ(32.2675, 18.3690, 31.9819)
contains.

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Color

**XYZ(32.2675, 18.3690,
31.9819)**

Conversions

Conversions Part 1

Format	Color
Hex	CC3C99
RGB	204, 60, 153
RGB Percent	80%, 24%, 60%
CMY	0.2000, 0.7647, 0.4000
CMYK	0.00, 0.71, 0.25, 0.20
HSL	321°, 59%, 52%
HSV	321°, 71%, 80%
XYZ	32.2675, 18.3690, 31.9819
YIQ	113.6580, 55.9710, 59.4510

Conversions

Conversions Part 2

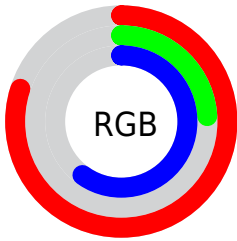
Format	Color
R_{YB}	204, 60, 153
Decimal	13384857
CIE _{Lab}	49.94, 64.58, -19.26
CIE _{LCh}	50, 67.385, 343.396
Yxy	18.3690, 0.3906, 0.2223
Android (android.graphics.Color)	4291574937 (0xFFCC3C99)
YUV	113.6580, 19.3956, 79.2299
Hunter-Lab	42.8591, 59.3847, -14.2415

Details

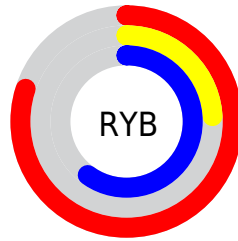
The XYZ color **32.2675, 18.3690, 31.9819** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **26.3267, 45.2948, 22.3965**, and the grayscale version is **15.8252, 16.6493, 18.1311**.

A 20% lighter version of the original color is **59.0993, 38.9586, 63.4364**, and **14.2523, 7.0703, 13.1839** is the 20% darker color. If you saturate the color by 10%, you get **30.8184, 16.3971, 28.6431**, and if you desaturate by 10%, it is **34.1656, 21.1807, 35.6490**.

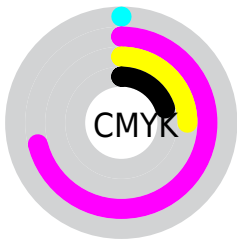
Distribution



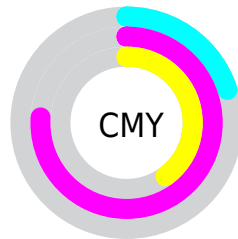
- Red (80%)
- Green (24%)
- Blue (60%)



- Red (80%)
- Yellow (24%)
- Blue (60%)



- Cyan (0%)
- Magenta (71%)
- Yellow (25%)
- Black (20%)





- Cyan (20%)
- Magenta (76%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2675, 18.3690, 31.9819 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 32.2675, 18.3690, 31.9819 by changing the saturation by 10% instead.

 32.2675, 18.3690,
31.9819


 32.2675, 18.3690,
31.9819


304.0597,
242.9428, 325.5270

 21.7224, 11.2152,
21.0830


 62.5926, 40.6651,
63.8803

 13.7686, 6.2118,
12.9928


 83.1033, 56.5762,
85.7168


 8.0405, 2.9743,
7.2929


 107.6666, 76.1752,
112.0363

 4.1729, 1.1183,
3.5648

 136.6479, 99.8466,
143.2573

 1.8004, 0.0000,
1.3897

 170.4125,
127.9746, 179.7983

 0.5179, 0.0000,
0.1337

209.3258,

 0.0000, 0.0000,

160.9437, 222.0779

0.0000

253.7530,
199.1383, 270.5146

■ 32.2675, 18.3690,
31.9819

■ 32.2675, 18.3690,
31.9819

■ 30.8184, 16.3971,
28.6431

■ 34.1656, 21.1807,
35.6490

■ 29.7657, 15.1612,
25.6115

■ 36.5539, 24.9144,
39.6607

■ 29.0495, 14.4964,
23.0059

■ 39.4708, 29.6454,
44.0329

■ 42.9502, 35.4405,
48.7799

■ 47.0230, 42.3608,
53.9148

■ 51.7178, 50.4626,
59.4499

■ 57.0613, 59.7984,
65.3967

■ 63.0787, 70.4177,
71.7665

■ 69.7938, 82.3671,
78.5696

Harmonies

Analogous

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



27.4556, 18.3690, 58.5692



32.2675, 18.3690, 31.9819



32.5393, 18.3690, 12.8412

Triad

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



32.2675, 18.3690, 31.9819



14.7374, 18.3690, 1.5183



9.9012, 18.3690, 55.7339

Complementary

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



32.2675, 18.3690, 31.9819



26.3267, 45.2948, 22.3965

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.



7.9511, 18.3690, 29.4230



32.2675, 18.3690, 31.9819



10.2420, 18.3690, 3.6908

Square

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



32.2675, 18.3690, 31.9819



21.2535, 18.3690, 1.6126



8.0581, 18.3690, 11.4621



14.1456, 18.3690, 77.1036

Rectangle

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



32.2675, 18.3690, 31.9819



30.0142, 18.3690, 6.1175



8.0581, 18.3690, 11.4621



9.0084, 18.3690, 46.6559

Sweetspot

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



32.2681, 18.3699, 31.9822



77.3769, 69.3015, 88.6806



18.9964, 10.9333, 58.2362



16.1404, 14.1138, 18.4608



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.



32.2681, 18.3699, 31.9822



50.0002, 25.8859, 44.6019



28.0263, 16.6733, 9.6456



11.5123, 11.3336, 13.2322



18.3297, 9.1425, 14.7206



0.9809, 0.4857, 0.9450

Inverse Universe

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



32.2681, 18.3699, 31.9822



50.0002, 25.8859, 44.6019



31.9420, 47.5409, 51.9667



11.5123, 11.3336, 13.2322



18.3297, 9.1425, 14.7206



0.9809, 0.4857, 0.9450

Previews

White Background



This preview shows how the XYZ color 32.2675, 18.3690, 31.9819 looks on a white 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

Black Background



This preview shows how the XYZ color 32.2675, 18.3690, 31.9819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

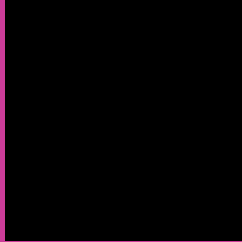
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2675, 18.3690, 31.9819

Background



This preview shows how black text looks on a background with the XYZ color 32.2675, 18.3690, 31.9819.



This preview shows how white text looks on a background with the XYZ color 32.2675, 18.3690,

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

32.2675, 18.3690, 31.9819

Protanopia

20.3496, 18.7828, 54.7775

Deuteranopia

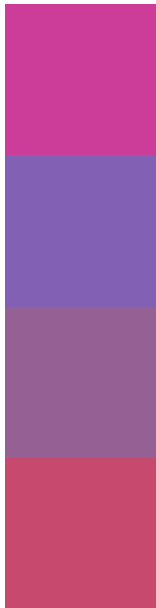
18.9433, 18.6185, 29.3834



Tritanopia

27.7971, 18.3990, 10.6806

Trichromacy



Original Color

32.2675, 18.3690, 31.9819

Protanomaly

21.6270, 16.4069, 45.2070

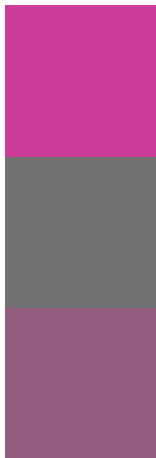
Deuteranomaly

21.9226, 16.8934, 30.1223

Tritanomaly

29.0164, 18.1702, 16.7297

Monochromacy



Original Color

32.2675, 18.3690, 31.9819

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.9316, 15.7670, 22.4149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2675, 18.3690, 31.9819 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(204, 60, 153)` looks like.

```
.text, #text, p{  
    color:rgb(204, 60, 153)  
}
```

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(204, 60, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 60, 153) }
```

Border

The CSS property to change the border of an element to XYZ 32.2675, 18.3690, 31.9819 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(204, 60, 153) }
```


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

```
.border{ border-color:rgb(204, 60, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 60, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 60, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 60, 153);  
box-shadow:4px 4px 4px 4px rgb(204, 60,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2675, 18.3690, 31.9819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 60, 153) }
```

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

```
.background{ background-color: rgb(204, 60,  
153) }
```

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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