

Converting Colors

XYZ(31.8933, 17.1195, 29.9748)

Have a look what the booklet for
XYZ(31.8933, 17.1195, 29.9748)
contains.

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Color

**XYZ(32.0208, 17.1631,
30.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	CF2B95
RGB	207, 43, 149
RGB Percent	81%, 17%, 58%
CMY	0.1882, 0.8313, 0.4157
CMYK	0.00, 0.79, 0.28, 0.19
HSL	321°, 66%, 49%
HSV	321°, 79%, 81%
XYZ	32.0208, 17.1631, 30.0589
YIQ	104.1200, 63.7180, 67.7340

Conversions

Conversions Part 2

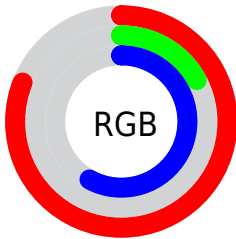
Format	Color
R _Y B	207, 43, 149
Decimal	13577109
CIE Lab	48.46, 70.04, -19.08
CIE LCh	48, 72.597, 344.762
Yxy	17.1631, 0.4041, 0.2166
Android (android.graphics.Color)	4291767189 (0xFFCF2B95)
YUV	104.1200, 22.1258, 90.2258
Hunter-Lab	41.4284, 65.4665, -14.0188

Details

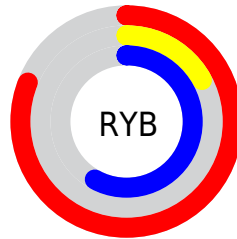
The XYZ color **32.0208, 17.1631, 30.0589** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark muted rose. A complement of this color would be **25.6592, 46.0794, 19.8569**, and the grayscale version is **13.1225, 13.8059, 15.0346**.

A 20% lighter version of the original color is **57.2772, 36.0872, 60.4466**, and **14.4173, 7.1777, 12.1808** is the 20% darker color. If you saturate the color by 10%, you get **30.8835, 15.7946, 26.8860**, and if you desaturate by 10%, it is **33.5774, 19.3111, 33.5532**.

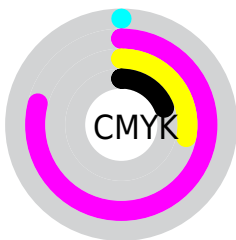
Distribution



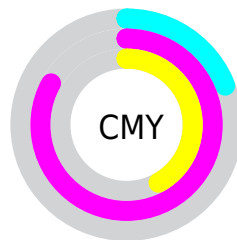
- Red (81%)
- Green (17%)
- Blue (58%)



- Red (81%)
- Yellow (17%)
- Blue (58%)



- Cyan (0%)
- Magenta (79%)
- Yellow (28%)
- Black (19%)




- Cyan (19%)
- Magenta (83%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0208, 17.1631, 30.0589 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 32.0208, 17.1631, 30.0589 by changing the saturation by 10% instead.

 32.0208, 17.1631,
30.0589


 32.0208, 17.1631,
30.0589


302.9576,
236.1105, 316.3948


 21.5330, 10.3508,
19.6309


 62.2087, 38.6060,
60.8174


 13.6288, 5.6322,
11.9456


 82.6395, 54.0054,
81.9850

 7.9429, 2.6227,
6.5846


 107.1153, 73.0360,
107.5695

 4.1100, 0.9381,
3.1292

 136.0015, 96.0822,
137.9894

 1.7645, 0.0000,
1.1610

 169.6635,
123.5283, 173.6634

 0.4962, 0.0000,
0.0000

208.4666,

 0.0000, 0.0000,

155.7588, 215.0099

0.0000

252.7762,
193.1581, 262.4475

■ 32.0208, 17.1631,
30.0589

■ 32.0208, 17.1631,
30.0589

■ 30.8835, 15.7946,
26.8860

■ 33.5774, 19.3111,
33.5532

■ 30.0777, 15.0317,
24.0015

■ 35.6032, 22.3377,
37.3882

■ 30.0204, 14.9807,
23.7860

■ 38.1425, 26.3304,
41.5821

■ 41.2336, 31.3651,
46.1507

■ 44.9114, 37.5100,
51.1085

■ 49.2074, 44.8278,
56.4690

■ 54.1512, 53.3763,
62.2450

■ 59.7701, 63.2094,
68.4482

■ 66.0899, 74.3779,
75.0901

Harmonies

Analogous

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



27.0746, 17.1631, 58.6108



32.0208, 17.1631, 30.0589



32.0639, 17.1631, 10.8238

Triad

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



32.0208, 17.1631, 30.0589



13.2671, 17.1631, 0.9340



8.8144, 17.1631, 58.1512

Complementary

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



32.0208, 17.1631, 30.0589



25.6592, 46.0794, 19.8569

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.



6.8095, 17.1631, 29.6574



32.0208, 17.1631, 30.0589



8.8643, 17.1631, 2.8814

Square

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



32.0208, 17.1631, 30.0589



19.9096, 17.1631, 0.9449



6.8249, 17.1631, 10.6210



13.1779, 17.1631, 80.9621

Rectangle

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



32.0208, 17.1631, 30.0589



29.2331, 17.1631, 4.6192



6.8249, 17.1631, 10.6210



7.9021, 17.1631, 48.3074

Sweetspot

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



32.0213, 17.1640, 30.0592



75.2460, 65.6581, 86.0640



17.4276, 8.9663, 59.8437



15.5890, 13.1763, 17.7676



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.



32.0213, 17.1640, 30.0592



48.5723, 24.4181, 39.8470



27.6280, 15.4067, 6.9244



12.1259, 11.9351, 13.9386



18.9606, 9.4571, 15.2306



1.0971, 0.5436, 1.0462

Inverse Universe

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



32.0213, 17.1640, 30.0592



48.5723, 24.4181, 39.8470



31.7947, 48.5336, 52.1663



12.1259, 11.9351, 13.9386



18.9606, 9.4571, 15.2306



1.0971, 0.5436, 1.0462

Previews

White Background



This preview shows how the XYZ color 32.0208, 17.1631, 30.0589 looks on a white background.

Color Contrast Check

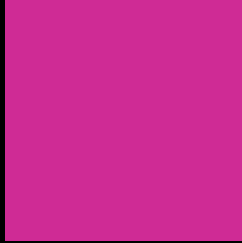
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0208, 17.1631, 30.0589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

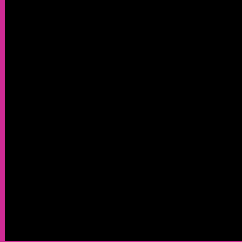
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.0208, 17.1631, 30.0589

Background



This preview shows how black text looks on a background with the XYZ color 32.0208, 17.1631, 30.0589.



This preview shows how white text looks on a background with the XYZ color 32.0208, 17.1631,

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

32.0208, 17.1631, 30.0589

Protanopia

19.5083, 17.6051, 57.6283

Deuteranopia

17.7090, 17.3485, 27.2262



Tritanopia

27.4181, 17.1548, 8.1694

Trichromacy



Original Color

32.0208, 17.1631, 30.0589



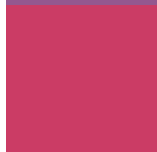
Protanomaly

20.2454, 14.6419, 46.0151



Deuteranomaly

20.6604, 15.2585, 27.8429



Tritanomaly

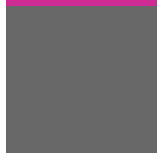
28.5934, 16.8678, 14.0607

Monochromacy



Original Color

32.0208, 17.1631, 30.0589



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

17.3920, 13.0534, 19.3722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0208, 17.1631, 30.0589 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(207, 43, 149)` looks like.

```
.text, #text, p{  
    color:rgb(207, 43, 149)  
}
```

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(207, 43, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 43, 149) }
```

Border

The CSS property to change the border of an element to XYZ 32.0208, 17.1631, 30.0589 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(207, 43, 149) }
```


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

```
.border{ border-color:rgb(207, 43, 149) }
```

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

Here you see how a box with a 4 pixel rgb(207, 43, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 43, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 43, 149);  
box-shadow:4px 4px 4px 4px rgb(207, 43,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0208, 17.1631, 30.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 43, 149) }
```

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

```
.background{ background-color: rgb(207, 43,  
149) }
```

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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