

Converting Colors

XYZ(32.8146, 18.9014, 35.1870)

Have a look what the booklet for
XYZ(32.8146, 18.9014, 35.1870)
contains.

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Color

**XYZ(32.8072, 18.9014,
35.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	CB40A0
RGB	203, 64, 160
RGB Percent	80%, 25%, 63%
CMY	0.2039, 0.7490, 0.3725
CMYK	0.00, 0.68, 0.21, 0.20
HSL	319°, 57%, 52%
HSV	319°, 68%, 80%
XYZ	32.8072, 18.9014, 35.1769
YIQ	116.5050, 52.0280, 59.3240

Conversions

Conversions Part 2

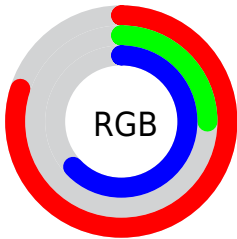
Format	Color
R_{YB}	203, 64, 160
Decimal	13320352
CIE _{Lab}	50.57, 63.79, -22.46
CIE _{LCh}	51, 67.626, 340.607
Yxy	18.9014, 0.3776, 0.2175
Android (android.graphics.Color)	4291510432 (0xFFCB40A0)
YUV	116.5050, 21.4430, 75.8561
Hunter-Lab	43.4757, 58.6152, -17.5394

Details

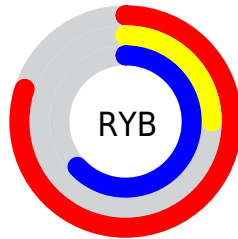
The XYZ color **32.8072, 18.9014, 35.1769** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **26.1252, 44.8641, 21.1949**, and the grayscale version is **16.6815, 17.5503, 19.1122**.

A 20% lighter version of the original color is **60.4653, 40.0854, 68.8404**, and **14.3838, 7.1025, 14.8002** is the 20% darker color. If you saturate the color by 10%, you get **31.3281, 16.8000, 32.0414**, and if you desaturate by 10%, it is **34.7318, 21.8486, 38.5982**.

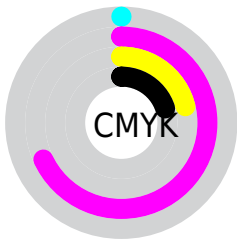
Distribution



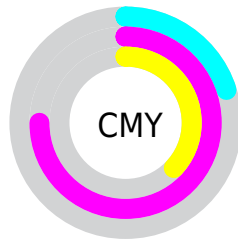
- Red (80%)
- Green (25%)
- Blue (63%)



- Red (80%)
- Yellow (25%)
- Blue (63%)



- Cyan (0%)
- Magenta (68%)
- Yellow (21%)
- Black (20%)





- Cyan (20%)
- Magenta (75%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8072, 18.9014, 35.1769 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 32.8072, 18.9014, 35.1769 by changing the saturation by 10% instead.

 32.8072, 18.9014,
35.1769


 32.8072, 18.9014,
35.1769


306.4604,
245.9039, 340.2764

 22.1373, 11.5991,
23.5145


 63.4311, 41.5674,
68.9144


 14.0750, 6.4713,
14.7650


 84.1158, 57.6999,
91.8266


 8.2549, 3.1337,
8.5099


 108.8695, 77.5445,
119.3259

 4.3117, 1.2019,
4.3305

 138.0576,
101.4857, 151.8307

 1.8799, 0.0633,
1.8083

 172.0454,
129.9078, 189.7596

 0.5651, 0.0000,
0.4334

211.1982,

 0.0000, 0.0000,

163.1953, 233.5312

0.0000

255.8814,
201.7325, 283.5639

■ 32.8072, 18.9014,
35.1769

■ 32.8072, 18.9014,
35.1769

■ 31.3281, 16.8000,
32.0414

■ 34.7318, 21.8486,
38.5982

■ 30.2444, 15.4461,
29.1725

■ 37.1409, 25.7202,
42.3197

■ 29.4821, 14.6919,
26.5436

■ 40.0714, 30.5888,
46.3559

■ 29.3770, 14.5959,
26.1566

■ 43.5558, 36.5190,
50.7194

■ 47.6240, 43.5699,
55.4220

■ 52.3037, 51.7962,
60.4748

■ 57.6207, 61.2492,
65.8882

■ 63.5994, 71.9769,
71.6720

■ 70.2628, 84.0249,
77.8357

Harmonies

Analogous

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



27.5653, 18.9014, 62.3934



32.8072, 18.9014, 35.1769



33.5655, 18.9014, 14.5846

Triad

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



32.8072, 18.9014, 35.1769



15.7272, 18.9014, 1.5344



9.9445, 18.9014, 54.4969

Complementary

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



32.8072, 18.9014, 35.1769



26.1252, 44.8641, 21.1949

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.



8.1491, 18.9014, 28.0285



32.8072, 18.9014, 35.1769



10.9013, 18.9014, 3.4746

Square

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



32.8072, 18.9014, 35.1769



22.5216, 18.9014, 1.8043



8.4501, 18.9014, 10.7103



14.0690, 18.9014, 77.4961

Rectangle

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



32.8072, 18.9014, 35.1769



31.2650, 18.9014, 7.0597



8.4501, 18.9014, 10.7103



9.1005, 18.9014, 45.2130

Sweetspot

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



32.8078, 18.9024, 35.1773



77.7281, 69.4420, 90.5300



18.5223, 11.0257, 57.6522



16.2244, 14.1474, 18.9028



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.



32.8078, 18.9024, 35.1773



51.5414, 26.9375, 51.3764



28.3859, 17.1336, 11.8919



11.5340, 11.3423, 13.3468



18.7377, 9.3057, 16.8694



0.9997, 0.4933, 1.0444

Inverse Universe

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



32.8078, 18.9024, 35.1773



51.5414, 26.9375, 51.3764



31.2287, 46.9055, 48.0693



11.5340, 11.3423, 13.3468



18.7377, 9.3057, 16.8694



0.9997, 0.4933, 1.0444

Previews

White Background



This preview shows how the XYZ color 32.8072, 18.9014, 35.1769 looks on a white background.

Color Contrast Check

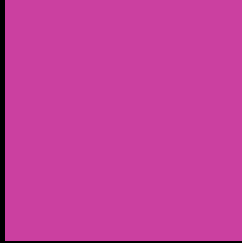
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8072, 18.9014, 35.1769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

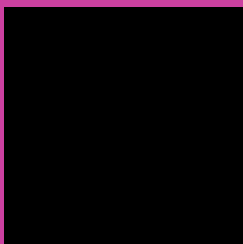
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8072, 18.9014, 35.1769

Background



This preview shows how black text looks on a background with the XYZ color 32.8072, 18.9014, 35.1769.



This preview shows how white text looks on a background with the XYZ color 32.8072, 18.9014,

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

32.8072, 18.9014, 35.1769

Protanopia

21.0957, 19.2471, 59.1031

Deuteranopia

19.6004, 19.2426, 32.3869



Tritanopia

27.9995, 18.9322, 11.6297

Trichromacy



Original Color

32.8072, 18.9014, 35.1769



Protanomaly

22.3906, 16.9903, 49.1131



Deuteranomaly

22.5910, 17.5861, 33.2141



Tritanomaly

29.3016, 18.6877, 18.2824

Monochromacy



Original Color

32.8072, 18.9014, 35.1769



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

20.8141, 16.7247, 24.3215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8072, 18.9014, 35.1769 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(203, 64, 160)` looks like.

```
.text, #text, p{  
    color:rgb(203, 64, 160)  
}
```

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(203, 64, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 64, 160) }
```

Border

The CSS property to change the border of an element to XYZ 32.8072, 18.9014, 35.1769 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(203, 64, 160) }
```


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

```
.border{ border-color:rgb(203, 64, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 64, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 64, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 64, 160);  
box-shadow:4px 4px 4px 4px rgb(203, 64,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8072, 18.9014, 35.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 64, 160) }
```

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

```
.background{ background-color: rgb(203, 64,  
160) }
```

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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