

Converting Colors

XYZ(32.7294, 18.8724, 36.4777)

Have a look what the booklet for
XYZ(32.7294, 18.8724, 36.4777)
contains.

| | |
|------------------------------------------------|----|
| XYZ(32.8014, 18.8677, 36.5633) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(32.8014, 18.8677,
36.5633)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | CA40A3 |
| RGB | 202, 64, 163 |
| RGB Percent | 79%, 25%, 64% |
| CMY | 0.2078, 0.7490, 0.3608 |
| CMYK | 0.00, 0.68, 0.19, 0.21 |
| HSL | 317°, 57%, 52% |
| HSV | 317°, 68%, 79% |
| XYZ | 32.8014, 18.8677, 36.5633 |
| YIQ | 116.5480, 50.4690, 60.0450 |

Conversions

Conversions Part 2

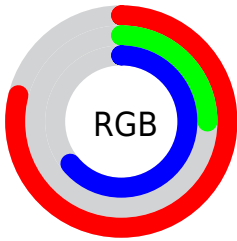
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 202, 64, 163 |
| Decimal | 13254819 |
| CIE _{Lab} | 50.53, 63.94, -24.30 |
| CIE _{LCh} | 51, 68.402, 339.188 |
| Yxy | 18.8677, 0.3718, 0.2138 |
| Android (android.graphics.Color) | 4291444899 (0xFFCA40A3) |
| YUV | 116.5480, 22.9008, 74.9414 |
| Hunter-Lab | 43.4370, 58.7795, -19.5018 |

Details

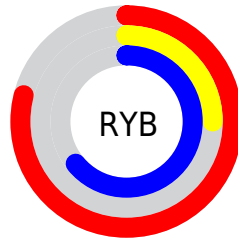
The XYZ color **32.8014, 18.8677, 36.5633** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle muted rose. A complement of this color would be **25.6841, 44.3110, 20.0332**, and the grayscale version is **16.6907, 17.5599, 19.1227**.

A 20% lighter version of the original color is **60.8544, 40.2410, 70.8896**, and **14.3708, 7.0770, 15.6475** is the 20% darker color. If you saturate the color by 10%, you get **31.3615, 16.7880, 33.6163**, and if you desaturate by 10%, it is **34.6779, 21.7832, 39.7701**.

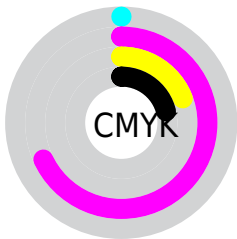
Distribution



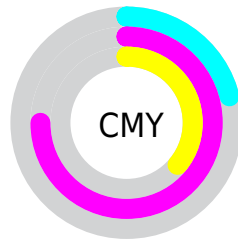
- Red (79%)
- Green (25%)
- Blue (64%)



- Red (79%)
- Yellow (25%)
- Blue (64%)



- Cyan (0%)
- Magenta (68%)
- Yellow (19%)
- Black (21%)





- Cyan (21%)
- Magenta (75%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8014, 18.8677, 36.5633 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 32.8014, 18.8677, 36.5633 by changing the saturation by 10% instead.

 32.8014, 18.8677,
36.5633


 32.8014, 18.8677,
36.5633

306.4347,
245.7174, 346.5276

 22.1329, 11.5747,
24.5764


 63.4221, 41.5104,
71.0794


 14.0717, 6.4548,
15.5456


 84.1050, 57.6290,
94.4458


 8.2526, 3.1236,
9.0523


 108.8566, 77.4581,
122.4423

 4.3102, 1.1966,
4.6781

 138.0425,
101.3823, 155.4877

 1.8791, 0.0589,
2.0042

 172.0279,
129.7860, 194.0003

 0.5646, 0.0000,
0.5579

211.1781,

 0.0000, 0.0000,

163.0534, 238.3988

0.0000

255.8586,
201.5691, 289.1017

■ 32.8014, 18.8677,
36.5633

■ 32.8014, 18.8677,
36.5633

■ 31.3615, 16.7880,
33.6163

■ 34.6779, 21.7832,
39.7701

■ 30.3092, 15.4472,
30.9108

■ 37.0296, 25.6119,
43.2505

■ 29.5727, 14.7020,
28.4216

■ 39.8926, 30.4252,
47.0182

■ 29.4612, 14.5982,
28.0167

■ 43.2989, 36.2870,
51.0853

■ 47.2780, 43.2554,
55.4629

■ 51.8571, 51.3845,
60.1615

■ 57.0615, 60.7248,
65.1908

■ 62.9153, 71.3237,
70.5602

■ 69.4412, 83.2261,
76.2786

Harmonies

Analogous

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



27.3250, 18.8677, 64.2218



32.8014, 18.8677, 36.5633



33.8178, 18.8677, 15.2165

Triad

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



32.8014, 18.8677, 36.5633



15.9612, 18.8677, 1.4299



9.7126, 18.8677, 53.6139

Complementary

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



32.8014, 18.8677, 36.5633



25.6841, 44.3110, 20.0332

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.



8.0141, 18.8677, 26.9884



32.8014, 18.8677, 36.5633



10.9855, 18.8677, 3.1959

Square

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



32.8014, 18.8677, 36.5633



22.8899, 18.8677, 1.7813



8.4138, 18.8677, 10.0572



13.7493, 18.8677, 77.6026

Rectangle

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



32.8014, 18.8677, 36.5633



31.6309, 18.8677, 7.3279



8.4138, 18.8677, 10.0572



8.9011, 18.8677, 44.1834

Sweetspot

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



32.8020, 18.8686, 36.5637



78.6483, 70.7719, 92.4105



17.8397, 10.6874, 57.0002



16.4134, 14.4098, 19.3224



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.



32.8020, 18.8686, 36.5637



52.1659, 27.1873, 54.6650



28.3119, 17.0726, 12.9192



11.5471, 11.3476, 13.4155



18.9976, 9.4096, 18.2378



1.0115, 0.4980, 1.1066

Inverse Universe

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



32.8020, 18.8686, 36.5637



52.1659, 27.1873, 54.6650



30.4725, 46.2264, 45.2487



11.5471, 11.3476, 13.4155



18.9976, 9.4096, 18.2378



1.0115, 0.4980, 1.1066

Previews

White Background



This preview shows how the XYZ color 32.8014, 18.8677, 36.5633 looks on a white background.

Color Contrast Check

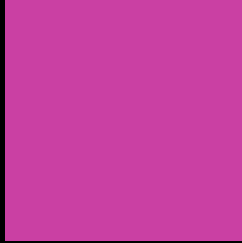
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8014, 18.8677, 36.5633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

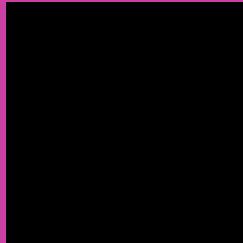
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.8014, 18.8677, 36.5633

Background



This preview shows how black text looks on a background with the XYZ color 32.8014, 18.8677, 36.5633.



This preview shows how white text looks on a background with the XYZ color 32.8014, 18.8677,

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

32.8014, 18.8677, 36.5633

Protanopia

21.1863, 19.2521, 60.9919

Deuteranopia

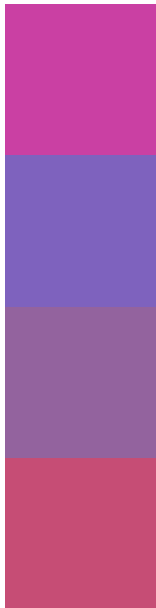
19.5835, 19.2050, 33.6851



Tritanopia

27.5996, 18.8373, 11.8542

Trichromacy



Original Color

32.8014, 18.8677, 36.5633

Protanomaly

22.2661, 16.8887, 50.8015

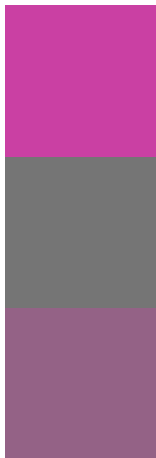
Deuteranomaly

22.6660, 17.5953, 34.5494

Tritanomaly

29.1535, 18.5979, 18.8828

Monochromacy



Original Color

32.8014, 18.8677, 36.5633

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

20.8835, 16.7525, 24.6871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8014, 18.8677, 36.5633 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(202, 64, 163)` looks like.

```
.text, #text, p{  
    color:rgb(202, 64, 163)  
}
```

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(202, 64, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 64, 163) }
```

Border

The CSS property to change the border of an element to XYZ 32.8014, 18.8677, 36.5633 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(202, 64, 163) }
```


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

```
.border{ border-color:rgb(202, 64, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 64, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 64, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 64, 163);  
box-shadow:4px 4px 4px 4px rgb(202, 64,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8014, 18.8677, 36.5633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 64, 163) }
```

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

```
.background{ background-color: rgb(202, 64,  
163) }
```

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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