

Converting Colors

XYZ(32.2415, 18.6968, 35.8772)

Have a look what the booklet for
XYZ(32.2415, 18.6968, 35.8772)
contains.

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Color

**XYZ(32.2313, 18.6686,
36.0870)**

Conversions

Conversions Part 1

Format	Color
Hex	C841A2
RGB	200, 65, 162
RGB Percent	78%, 25%, 64%
CMY	0.2157, 0.7451, 0.3647
CMYK	0.00, 0.67, 0.19, 0.22
HSL	317°, 55%, 52%
HSV	317°, 67%, 78%
XYZ	32.2313, 18.6686, 36.0870
YIQ	116.4230, 49.3230, 58.7870

Conversions

Conversions Part 2

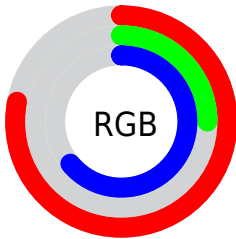
Format	Color
R_{YB}	200, 65, 162
Decimal	13124002
CIE _{Lab}	50.30, 62.91, -24.10
CIE _{LCh}	50, 67.367, 339.036
Yxy	18.6686, 0.3705, 0.2146
Android (android.graphics.Color)	4291314082 (0xFFC841A2)
YUV	116.4230, 22.4695, 73.2970
Hunter-Lab	43.2072, 57.5433, -19.2745

Details

The XYZ color **32.2313, 18.6686, 36.0870** 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 **25.2834, 43.4123, 19.8808**, and the grayscale version is **16.6538, 17.5211, 19.0805**.

A 20% lighter version of the original color is **60.7239, 40.1888, 70.2024**, and **13.9698, 6.8766, 15.3429** is the 20% darker color. If you saturate the color by 10%, you get **30.7904, 16.5696, 33.1926**, and if you desaturate by 10%, it is **34.1021, 21.5910, 39.2356**.

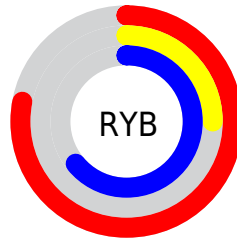
Distribution



Red (78%)

Green (25%)

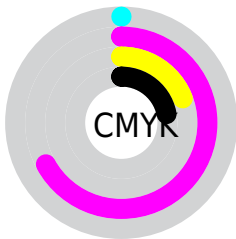
Blue (64%)



Red (78%)

Yellow (25%)

Blue (64%)

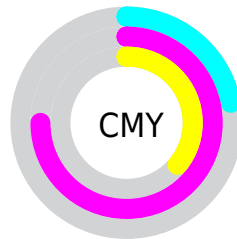


Cyan (0%)

Magenta (67%)

Yellow (19%)

Black (22%)



Cyan (22%)


Magenta (75%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.2313, 18.6686, 36.0870 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 32.2313, 18.6686, 36.0870 by changing the saturation by 10% instead.

 32.2313, 18.6686,
36.0870


 32.2313, 18.6686,
36.0870


303.8982,
244.6131, 344.3895

 21.6946, 11.4311,
24.2112


 62.5363, 41.1734,
70.3369


 13.7480, 6.3576,
15.2767


 83.0353, 57.2094,
93.5480


 8.0262, 3.0637,
8.8650


 107.5858, 76.9470,
121.3747

 4.1636, 1.1651,
4.5576

 136.5531,
100.7706, 154.2354

 1.7951, 0.0329,
1.9360

 170.3027,
129.0646, 192.5487

 0.5147, 0.0000,
0.5155

209.1998,

 0.0000, 0.0000,

162.2135, 236.7331

0.0000

253.6098,
200.6015, 287.2072

■ 32.2313, 18.6686,
36.0870

■ 32.2313, 18.6686,
36.0870

■ 30.7904, 16.5696,
33.1926

■ 34.1021, 21.5910,
39.2356

■ 29.7322, 15.2010,
30.5348

■ 36.4400, 25.4113,
42.6516

■ 28.9933, 14.4359,
28.0910

■ 39.2797, 30.1988,
46.3483

■ 28.8308, 14.2839,
27.5034

■ 42.6525, 36.0151,
50.3374

■ 46.5868, 42.9168,
54.6297

■ 51.1089, 50.9561,
59.2352

■ 56.2437, 60.1822,
64.1636

■ 62.0143, 70.6411,
69.4238

■ 68.4428, 82.3764,
75.0243

Harmonies

Analogous

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



26.8791, 18.6686, 62.9722



32.2313, 18.6686, 36.0870



33.2465, 18.6686, 15.1886

Triad

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



32.2313, 18.6686, 36.0870



15.8450, 18.6686, 1.4841



9.6725, 18.6686, 52.4035

Complementary

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



32.2313, 18.6686, 36.0870



25.2834, 43.4123, 19.8808

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.



8.0121, 18.6686, 26.5103



32.2313, 18.6686, 36.0870



10.9558, 18.6686, 3.2404

Square

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



32.2313, 18.6686, 36.0870



22.6230, 18.6686, 1.8480



8.4159, 18.6686, 9.9894



13.6222, 18.6686, 75.7458

Rectangle

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



32.2313, 18.6686, 36.0870



31.1325, 18.6686, 7.3972



8.4159, 18.6686, 9.9894



8.8782, 18.6686, 43.2364

Sweetspot

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



32.2319, 18.6695, 36.0874



78.6569, 70.7753, 92.4556



17.6836, 10.7186, 55.7808



16.4155, 14.4106, 19.3333



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.



32.2319, 18.6695, 36.0874



52.3771, 27.4356, 55.2723



27.8450, 16.9148, 12.9861



10.9508, 10.7637, 12.7244



18.3714, 9.0981, 17.6976



0.8997, 0.4427, 0.9950

Inverse Universe

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



32.2319, 18.6695, 36.0874



52.3771, 27.4356, 55.2723



29.9496, 45.2788, 44.4527



10.9508, 10.7637, 12.7244



18.3714, 9.0981, 17.6976



0.8997, 0.4427, 0.9950

Previews

White Background



This preview shows how the XYZ color 32.2313, 18.6686, 36.0870 looks on a white background.

Color Contrast Check

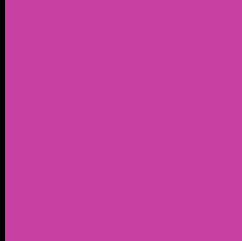
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.2313, 18.6686, 36.0870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

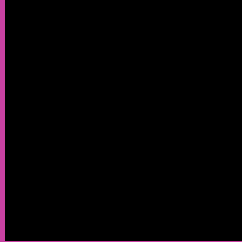
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.2313, 18.6686, 36.0870

Background



This preview shows how black text looks on a background with the XYZ color 32.2313, 18.6686, 36.0870.



This preview shows how white text looks on a background with the XYZ color 32.2313, 18.6686,

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

32.2313, 18.6686, 36.0870

Protanopia

21.0337, 19.2013, 59.7244

Deuteranopia

19.2506, 18.8674, 33.1990



Tritanopia

27.1291, 18.5898, 12.0559

Trichromacy



Original Color

32.2313, 18.6686, 36.0870



Protanomaly

22.2513, 17.0334, 50.2591



Deuteranomaly

22.2247, 17.3777, 34.0812



Tritanomaly

28.7002, 18.4689, 18.8818

Monochromacy



Original Color

32.2313, 18.6686, 36.0870



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

20.5410, 16.4459, 24.2820

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2313, 18.6686, 36.0870 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(200, 65, 162)` looks like.

```
.text, #text, p{  
    color:rgb(200, 65, 162)  
}
```

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(200, 65, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 65, 162) }
```

Border

The CSS property to change the border of an element to XYZ 32.2313, 18.6686, 36.0870 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(200, 65, 162) }
```


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

```
.border{ border-color:rgb(200, 65, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 65, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 65, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 65, 162);  
box-shadow:4px 4px 4px 4px rgb(200, 65,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2313, 18.6686, 36.0870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 65, 162) }
```

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

```
.background{ background-color: rgb(200, 65,  
162) }
```

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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