

Converting Colors

XYZ(33.5385, 18.1016, 60.4697)

Have a look what the booklet for
XYZ(33.5385, 18.1016, 60.4697)
contains.

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Color

**XYZ(33.6629, 18.1522,
60.7610)**

Conversions

Conversions Part 1

Format	Color
Hex	BD38CF
RGB	189, 56, 207
RGB Percent	74%, 22%, 81%
CMY	0.2588, 0.7804, 0.1882
CMYK	0.09, 0.73, 0.00, 0.19
HSL	293°, 61%, 52%
HSV	293°, 73%, 81%
XYZ	33.6629, 18.1522, 60.7610
YIQ	112.9810, 30.7970, 75.1570

Conversions

Conversions Part 2

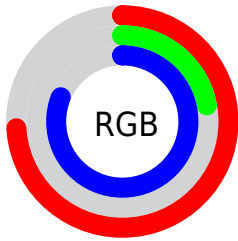
Format	Color
R_{YB}	189, 56, 207
Decimal	12400847
CIE _{Lab}	49.68, 70.65, -51.42
CIE _{LCh}	50, 87.383, 323.956
Yxy	18.1522, 0.2990, 0.1612
Android (android.graphics.Color)	4290590927 (0xFFBD38CF)
YUV	112.9810, 46.3514, 66.6687
Hunter-Lab	42.6054, 66.4750, -54.7317

Details

The XYZ color **33.6629, 18.1522, 60.7610** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **25.8514, 46.3675, 11.3295**, and the grayscale version is **15.5522, 16.3621, 17.8183**.

A 20% lighter version of the original color is **63.3623, 39.8505, 98.9601**, and **15.0276, 7.0923, 30.2827** is the 20% darker color. If you saturate the color by 10%, you get **32.2523, 16.2313, 60.4648**, and if you desaturate by 10%, it is **35.4999, 20.9091, 61.1966**.

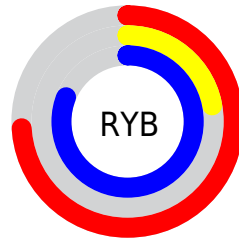
Distribution



Red (74%)

Green (22%)

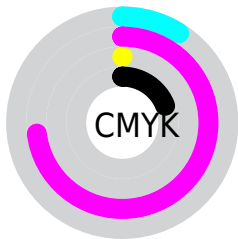
Blue (81%)



Red (74%)

Yellow (22%)

Blue (81%)

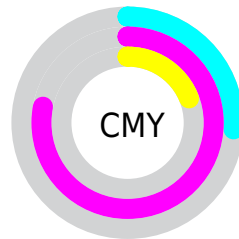


Cyan (9%)

Magenta (73%)

Yellow (0%)

Black (19%)



Cyan (26%)

Magenta (78%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6629, 18.1522, 60.7610 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 33.6629, 18.1522, 60.7610 by changing the saturation by 10% instead.

33.6629, 18.1522,
60.7610

33.6629, 18.1522,
60.7610

310.2387,
241.7275, 445.2794

22.7964, 11.0593,
43.6030

64.7569, 40.2965,
107.4870

14.5631, 6.1067,
30.0236

85.7151, 56.1167,
137.8920

8.5977, 2.9101,
19.6043

110.7679, 75.6148,
173.5498

4.5347, 1.0850,
11.9265

140.2807, 99.1752,
214.8790

2.0089, 0.0000,
6.5717

174.6188,
127.1823, 262.2980

0.6389, 0.0000,
3.1214

214.1477,

0.0000, 0.0000,

160.0204, 316.2253

1.1569

259.2325,
198.0740, 377.0796

■ 0.0000, 0.0000,
0.0000

■ 33.6629, 18.1522,
60.7610

■ 33.6629, 18.1522,
60.7610

■ 32.2523, 16.2313,
60.4648

■ 35.4999, 20.9091,
61.1966

■ 31.2109, 15.0342,
60.2887

■ 37.8067, 24.5907,
61.7856

■ 30.6309, 14.4898,
60.2142

■ 40.6237, 29.2770,
62.5417

■ 43.9863, 35.0388,
63.4766

■ 47.9266, 41.9405,
64.6011

■ 52.4744, 50.0411,
65.9250

■ 57.6572, 59.3959,
67.4575

■ 63.5009, 70.0566,
69.2072

■ 70.0300, 82.0719,
71.1823

Harmonies

Analogous

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



24.5869, 18.1522, 97.9944



33.6629, 18.1522, 60.7610



38.5159, 18.1522, 24.9844

Triad

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



33.6629, 18.1522, 60.7610



18.9906, 18.1522, 0.0000



6.3842, 18.1522, 44.7710

Complementary

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



33.6629, 18.1522, 60.7610



25.8514, 46.3675, 11.3295

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.



5.7434, 18.1522, 15.3278



33.6629, 18.1522, 60.7610



11.5453, 18.1522, 0.4055

Square

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



33.6629, 18.1522, 60.7610



28.4643, 18.1522, 1.0512



7.2911, 18.1522, 3.2163



9.4566, 18.1522, 84.6430

Rectangle

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



33.6629, 18.1522, 60.7610



37.8658, 18.1522, 10.6561



7.2911, 18.1522, 3.2163



5.9292, 18.1522, 32.9804

Sweetspot

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



33.6636, 18.1530, 60.7614



77.2728, 68.0345, 103.6670



15.4878, 10.5340, 60.2487



16.1444, 13.8647, 22.0752



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.



33.6636, 18.1530, 60.7614



50.6041, 24.7142, 96.7109



32.7845, 18.3495, 31.3636



12.1663, 11.9346, 14.9060



19.3517, 9.1565, 37.9399



1.1221, 0.5326, 2.1232

Inverse Universe

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



28.3830, 16.5889, 8.1856



42.4669, 22.5181, 6.0249



26.8339, 46.6227, 22.7310



11.8652, 11.8308, 12.5662



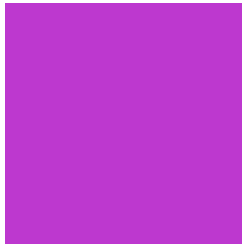
16.3392, 8.4085, 1.4266



0.9331, 0.4780, 0.1827

Previews

White Background



This preview shows how the XYZ color 33.6629, 18.1522, 60.7610 looks on a white background.

Color Contrast Check

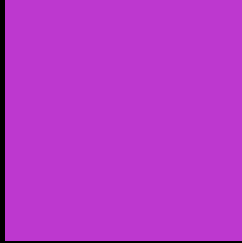
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.6629, 18.1522, 60.7610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

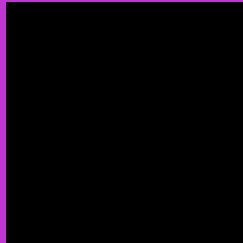
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.6629, 18.1522, 60.7610

Background



This preview shows how black text looks on a background with the XYZ color 33.6629, 18.1522, 60.7610.



This preview shows how white text looks on a background with the XYZ color 33.6629, 18.1522,

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

33.6629, 18.1522, 60.7610

Protanopia

22.1950, 18.5057, 87.1962

Deuteranopia

18.9896, 18.4182, 55.3775



Tritanopia

24.2562, 18.1751, 14.5416

Trichromacy



Original Color

33.6629, 18.1522, 60.7610



Protanomaly

20.6515, 14.8071, 76.6325



Deuteranomaly

21.2810, 15.9623, 57.2177



Tritanomaly

26.6583, 17.4545, 26.7750

Monochromacy



Original Color

33.6629, 18.1522, 60.7610



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

20.0781, 15.4236, 29.5226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6629, 18.1522, 60.7610 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(189, 56, 207)` looks like.

```
.text, #text, p{  
    color:rgb(189, 56, 207)  
}
```

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(189, 56, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 56, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.6629, 18.1522, 60.7610 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(189, 56, 207) }
```


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

```
.border{ border-color:rgb(189, 56, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 56, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 56, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 56, 207);  
box-shadow:4px 4px 4px 4px rgb(189, 56,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6629, 18.1522, 60.7610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 56, 207) }
```

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

```
.background{ background-color: rgb(189, 56,  
207) }
```

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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