

Converting Colors

XYZ(31.4566, 16.1950, 49.7183)

Have a look what the booklet for
XYZ(31.4566, 16.1950, 49.7183)
contains.

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Color

**XYZ(31.3643, 16.1367,
49.6057)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | BF26BD |
| RGB | 191, 38, 189 |
| RGB Percent | 75%, 15%, 74% |
| CMY | 0.2510, 0.8509, 0.2588 |
| CMYK | 0.00, 0.80, 0.01, 0.25 |
| HSL | 301°, 67%, 45% |
| HSV | 301°, 80%, 75% |
| XYZ | 31.3643, 16.1367, 49.6057 |
| YIQ | 100.9610, 42.7170, 79.3970 |

Conversions

Conversions Part 2

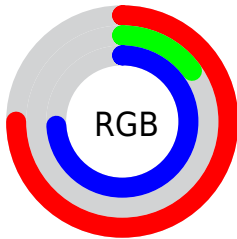
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 191, 38, 189 |
| Decimal | 12527293 |
| CIE _{Lab} | 47.15, 73.30, -45.01 |
| CIE _{LCh} | 47, 86.019, 328.450 |
| Yxy | 16.1367, 0.3230, 0.1662 |
| Android (android.graphics.Color) | 4290717373 (0xFFBF26BD) |
| YUV | 100.9610, 43.4032, 78.9642 |
| Hunter-Lab | 40.1705, 69.0707, -45.0966 |

Details

The XYZ color **31.3643, 16.1367, 49.6057** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **19.8139, 37.8277, 8.2655**, and the grayscale version is **12.2448, 12.8825, 14.0290**.

A 20% lighter version of the original color is **61.2685, 36.8635, 91.0749**, and **14.0460, 6.7358, 23.4815** is the 20% darker color. If you saturate the color by 10%, you get **30.8758, 15.2025, 49.3093**, and if you desaturate by 10%, it is **32.1672, 17.6985, 50.0074**.

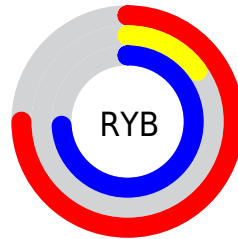
Distribution



Red (75%)

Green (15%)

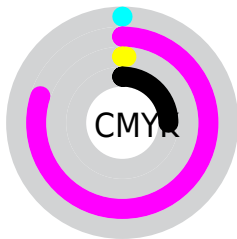
Blue (74%)



Red (75%)

Yellow (15%)

Blue (74%)

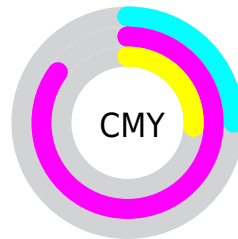


Cyan (0%)

Magenta (80%)

Yellow (1%)

Black (25%)



Cyan (25%)


Magenta (85%)


Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3643, 16.1367, 49.6057 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 31.3643, 16.1367, 49.6057 by changing the saturation by 10% instead.

 31.3643, 16.1367,
49.6057


 31.3643, 16.1367,
49.6057

300.0101,
230.1470, 401.8128


 21.0296, 9.6209,
34.7312


 61.1851, 36.8354,
90.9807


 13.2582, 5.1484,
23.1740


 81.4019, 51.7870,
118.3182

 7.6848, 2.3346,
14.5155


 105.6435, 70.3195,
150.6472

 3.9440, 0.7919,
8.3373

 134.2752, 92.8171,
188.3862

 1.6705, 0.0000,
4.2207

 167.6624,
119.6643, 231.9537

 0.4377, 0.0000,
1.7472

 206.1703,

 0.0000, 0.0000,

151.2454, 281.7683

0.3928

250.1645,
187.9448, 338.2485

■ 0.0000, 0.0000,
0.0000

■ 31.3643, 16.1367,
49.6057

■ 31.3643, 16.1367,
49.6057

■ 30.8758, 15.2025,
49.3093

■ 32.1672, 17.6985,
50.0074

■ 30.6177, 14.7291,
49.0911

■ 33.3247, 19.9701,
50.5274

■ 34.8732, 23.0235,
51.1779

■ 36.8440, 26.9213,
51.9694

■ 39.2652, 31.7200,
52.9113

■ 42.1625, 37.4709,
54.0122

■ 45.5599, 44.2216,
55.2799

■ 49.4793, 52.0167,
56.7220

■ 53.9419, 60.8977,
58.3452

Harmonies

Analogous

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



23.3592, 16.1367, 85.5007



31.3643, 16.1367, 49.6057



34.9466, 16.1367, 18.7206

Triad

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



31.3643, 16.1367, 49.6057



15.7341, 16.1367, 0.0000



5.7764, 16.1367, 45.8102

Complementary

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



31.3643, 16.1367, 49.6057



19.8139, 37.8277, 8.2655

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.



4.9107, 16.1367, 16.4678



31.3643, 16.1367, 49.6057



9.4012, 16.1367, 0.3963

Square

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



31.3643, 16.1367, 49.6057



24.2725, 16.1367, 0.5589



5.9840, 16.1367, 3.5473



8.9182, 16.1367, 82.3072

Rectangle

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



31.3643, 16.1367, 49.6057



33.6774, 16.1367, 7.4118



5.9840, 16.1367, 3.5473



5.2662, 16.1367, 34.3182

Sweetspot

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



31.3649, 16.1374, 49.6060



73.1843, 62.4874, 95.8551



10.8971, 5.5606, 49.7900



15.6671, 12.9209, 20.8952



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.3649, 16.1374, 49.6060



54.9550, 26.5991, 88.0202



25.2457, 13.6897, 17.3825



9.9244, 9.6941, 11.9911



20.1237, 9.6806, 32.2747



0.7900, 0.3799, 1.2734

Inverse Universe

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



31.3649, 16.1374, 49.6060



54.9550, 26.5991, 88.0202



22.4968, 38.9009, 22.3936



9.9244, 9.6941, 11.9911



20.1237, 9.6806, 32.2747



0.7900, 0.3799, 1.2734

Previews

White Background



This preview shows how the XYZ color 31.3643, 16.1367, 49.6057 looks on a white background.

Color Contrast Check

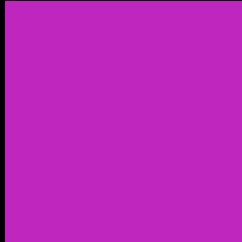
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3643, 16.1367, 49.6057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

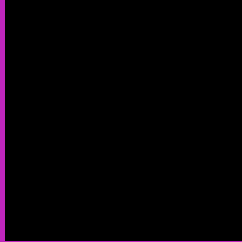
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.3643, 16.1367, 49.6057

Background



This preview shows how black text looks on a background with the XYZ color 31.3643, 16.1367, 49.6057.



This preview shows how white text looks on a background with the XYZ color 31.3643, 16.1367,

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

31.3643, 16.1367, 49.6057

Protanopia

19.7516, 16.6504, 77.0357

Deuteranopia

17.0223, 16.6014, 44.9550



Tritanopia

23.3708, 16.1125, 10.6823

Trichromacy



Original Color

31.3643, 16.1367, 49.6057



Protanomaly

17.8132, 12.3580, 65.7365



Deuteranomaly

19.3462, 13.9260, 46.4681



Tritanomaly

25.2326, 15.4010, 20.3817

Monochromacy



Original Color

31.3643, 16.1367, 49.6057



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

16.7895, 12.2106, 23.6623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3643, 16.1367, 49.6057 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(191, 38, 189)` looks like.

```
.text, #text, p{  
    color:rgb(191, 38, 189)  
}
```

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(191, 38, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 38, 189) }
```

Border

The CSS property to change the border of an element to XYZ 31.3643, 16.1367, 49.6057 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(191, 38, 189) }
```


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

```
.border{ border-color:rgb(191, 38, 189) }
```

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

Here you see how a box with a 4 pixel rgb(191, 38, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 38, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 38, 189);  
box-shadow:4px 4px 4px 4px rgb(191, 38,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3643, 16.1367, 49.6057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 38, 189) }
```

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

```
.background{ background-color: rgb(191, 38,  
189) }
```

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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