

Converting Colors

XYZ(30.8956, 16.7780, 41.5327)

Have a look what the booklet for
XYZ(30.8956, 16.7780, 41.5327)
contains.

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Color

**XYZ(30.8161, 16.7611,
41.6554)**

Conversions

Conversions Part 1

Format	Color
Hex	C133AE
RGB	193, 51, 174
RGB Percent	76%, 20%, 68%
CMY	0.2431, 0.8000, 0.3176
CMYK	0.00, 0.74, 0.10, 0.24
HSL	308°, 58%, 48%
HSV	308°, 74%, 76%
XYZ	30.8161, 16.7611, 41.6554
YIQ	107.4800, 45.1490, 68.3570

Conversions

Conversions Part 2

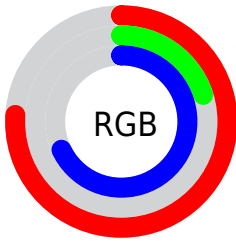
Format	Color
R_{YB}	193, 51, 174
Decimal	12661678
CIE _{Lab}	47.96, 67.81, -34.92
CIE _{LCh}	48, 76.274, 332.756
Yxy	16.7611, 0.3453, 0.1878
Android (android.graphics.Color)	4290851758 (0xFFC133AE)
YUV	107.4800, 32.7944, 75.0010
Hunter-Lab	40.9403, 62.7128, -31.6674

Details

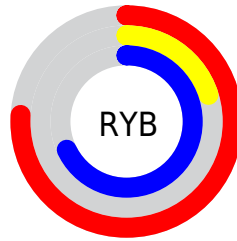
The XYZ color **30.8161, 16.7611, 41.6554** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle muted rose. A complement of this color would be **21.5415, 39.2866, 12.2435**, and the grayscale version is **14.0124, 14.7421, 16.0542**.

A 20% lighter version of the original color is **60.4754, 37.9647, 79.0034**, and **13.4429, 6.5314, 18.6413** is the 20% darker color. If you saturate the color by 10%, you get **29.8918, 15.3111, 40.1171**, and if you desaturate by 10%, it is **32.0963, 18.9142, 43.3365**.

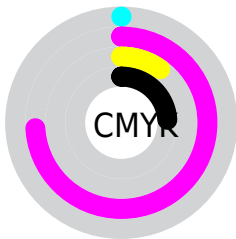
Distribution



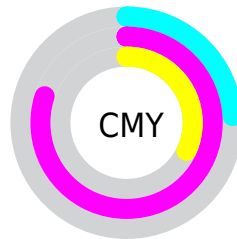
- Red (76%)
- Green (20%)
- Blue (68%)



- Red (76%)
- Yellow (20%)
- Blue (68%)



- Cyan (0%)
- Magenta (74%)
- Yellow (10%)
- Black (24%)





- Cyan (24%)
- Magenta (80%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8161, 16.7611, 41.6554 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 30.8161, 16.7611, 41.6554 by changing the saturation by 10% instead.


 30.8161, 16.7611,
41.6554


 30.8161, 16.7611,
41.6554


297.5322,
233.7919, 368.8099

 20.6100, 10.0643,
28.5080


 60.3282, 37.9146,
78.9423


 12.9501, 5.4416,
18.4666


 80.3650, 53.1400,
103.9188


 7.4709, 2.5086,
11.1126


 104.4093, 71.9772,
133.6755

 3.8072, 0.8810,
6.0275

 132.8266, 94.8104,
168.6309

 1.5937, 0.0000,
2.7927

 165.9822,
122.0241, 209.2035

 0.3883, 0.0000,
0.9898

204.2414,

 0.0000, 0.0000,

154.0026, 255.8118

0.0000

247.9696,
191.1304, 308.8744

■ 30.8161, 16.7611,
41.6554

■ 30.8161, 16.7611,
41.6554

■ 29.8918, 15.3111,
40.1171

■ 32.0963, 18.9142,
43.3365

■ 29.2749, 14.4689,
38.7048

■ 33.7691, 21.8453,
45.1724

■ 28.9837, 14.1340,
37.8445

■ 35.8688, 25.6223,
47.1747

■ 38.4253, 30.3049,
49.3536

■ 41.4658, 35.9476,
51.7182

■ 45.0154, 42.6005,
54.2770

■ 49.0974, 50.3104,
57.0379

■ 53.7337, 59.1208,
60.0084

■ 58.9450, 69.0730,
63.1955

Harmonies

Analogous

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



24.2099, 16.7611, 72.2168



30.8161, 16.7611, 41.6554



33.1251, 16.7611, 16.4892

Triad

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



30.8161, 16.7611, 41.6554



15.3036, 16.7611, 0.4544



7.1973, 16.7611, 47.3648

Complementary

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



30.8161, 16.7611, 41.6554



21.5415, 39.2866, 12.2435

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.



6.0369, 16.7611, 20.1319



30.8161, 16.7611, 41.6554



9.7940, 16.7611, 1.3357

Square

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



30.8161, 16.7611, 41.6554



22.7834, 16.7611, 1.0418



6.8294, 16.7611, 5.8237



10.6119, 16.7611, 76.8682

Rectangle

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



30.8161, 16.7611, 41.6554



31.5006, 16.7611, 7.1713



6.8294, 16.7611, 5.8237



6.5836, 16.7611, 37.1669

Sweetspot

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



30.8167, 16.7619, 41.6557



74.9949, 65.7443, 93.1701



13.3314, 7.5185, 51.2011



15.7444, 13.4617, 19.7303



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.



30.8167, 16.7619, 41.6557



52.8335, 26.4259, 70.3551



25.6285, 14.6866, 14.3349



10.4374, 10.2236, 12.3941



19.2989, 9.4093, 25.2838



0.8503, 0.4131, 1.1789

Inverse Universe

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



30.8167, 16.7619, 41.6557



52.8335, 26.4259, 70.3551



25.2388, 40.7655, 31.7129



10.4374, 10.2236, 12.3941



19.2989, 9.4093, 25.2838



0.8503, 0.4131, 1.1789

Previews

White Background



This preview shows how the XYZ color 30.8161, 16.7611, 41.6554 looks on a white background.

Color Contrast Check

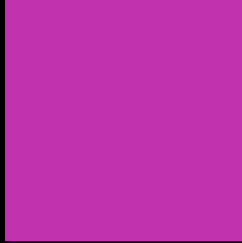
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8161, 16.7611, 41.6554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

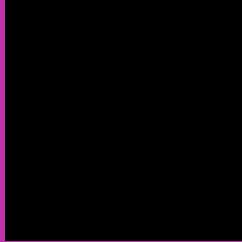
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 30.8161, 16.7611, 41.6554

Background



This preview shows how black text looks on a background with the XYZ color 30.8161, 16.7611, 41.6554.



This preview shows how white text looks on a background with the XYZ color 30.8161, 16.7611,

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

30.8161, 16.7611, 41.6554

Protanopia

20.4640, 17.3863, 74.9504

Deuteranopia

17.5282, 17.1841, 37.9903



Tritanopia

24.3893, 16.7471, 10.7512

Trichromacy



Original Color

30.8161, 16.7611, 41.6554



Protanomaly

19.7814, 14.1856, 61.3700



Deuteranomaly

20.1690, 15.1346, 38.9040



Tritanomaly

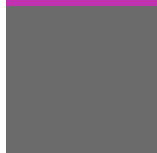
25.9537, 16.2531, 18.9088

Monochromacy



Original Color

30.8161, 16.7611, 41.6554



Achromatopsia

13.9749, 14.7027, 16.0113



Achromatomaly

17.9862, 13.8584, 23.1997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8161, 16.7611, 41.6554 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(193, 51, 174)` looks like.

```
.text, #text, p{  
    color:rgb(193, 51, 174)  
}
```

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(193, 51, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 51, 174) }
```

Border

The CSS property to change the border of an element to XYZ 30.8161, 16.7611, 41.6554 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(193, 51, 174) }
```


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

```
.border{ border-color:rgb(193, 51, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 51, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 51, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 51, 174);  
box-shadow:4px 4px 4px 4px rgb(193, 51,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8161, 16.7611, 41.6554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 51, 174) }
```

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

```
.background{ background-color: rgb(193, 51,  
174) }
```

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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