

Converting Colors

XYZ(32.0627, 15.2342, 59.9941)

Have a look what the booklet for
XYZ(32.0627, 15.2342, 59.9941)
contains.

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Color

**XYZ(32.0015, 15.1964,
60.2780)**

Conversions

Conversions Part 1

Format	Color
Hex	BC00CF
RGB	188, 0, 207
RGB Percent	74%, 0%, 81%
CMY	0.2627, 0.9999, 0.1882
CMYK	0.09, 1.00, 0.00, 0.19
HSL	294°, 100%, 41%
HSV	294°, 100%, 81%
XYZ	32.0015, 15.1964, 60.2780
YIQ	79.8100, 45.6010, 104.2330

Conversions

Conversions Part 2

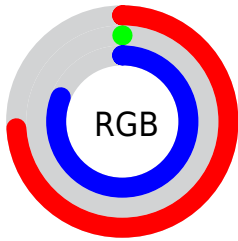
Format	Color
RYB	188, 0, 207
Decimal	12320975
CIELab	45.90, 81.02, -57.49
CIElCh	46, 99.348, 324.640
Yxy	15.1964, 0.2978, 0.1414
Android (android.graphics.Color)	4290511055 (0xFFBC00CF)
YUV	79.8100, 62.7047, 94.8826
Hunter-Lab	38.9826, 78.3144, -64.3912

Details

The XYZ color **32.0015, 15.1964, 60.2780** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as dark washed purple. A complement of this color would be **22.5820, 44.7645, 7.4509**, and the grayscale version is **7.4670, 7.8559, 8.5551**.

A 20% lighter version of the original color is **60.4176, 34.4888, 98.0804**, and **14.7208, 6.9341, 30.2683** is the 20% darker color. If you saturate the color by 10%, you get **32.0014, 15.1963, 60.2782**, and if you desaturate by 10%, it is **32.7363, 15.9657, 60.3880**.

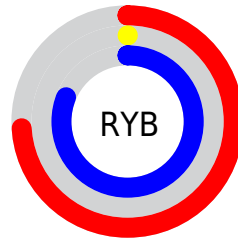
Distribution



Red (74%)

Green (0%)

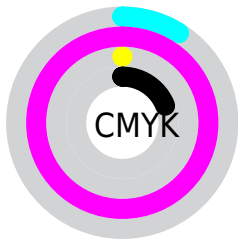
Blue (81%)



Red (74%)

Yellow (0%)

Blue (81%)

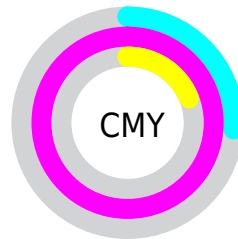


Cyan (9%)

Magenta (100%)

Yellow (0%)

Black (19%)



Cyan (26%)


Magenta (100%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0015, 15.1964, 60.2780 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 32.0015, 15.1964, 60.2780 by changing the saturation by 10% instead.


 32.0015, 15.1964,
60.2780


 32.0015, 15.1964,
60.2780


302.8713,
224.5519, 443.4548


 21.5182, 8.9573,
43.2160


 62.1786, 35.1974,
106.7802


 13.6179, 4.7134,
29.7220


 82.6031, 49.7280,
137.0574

 7.9353, 2.0801,
19.3774


 107.0721, 67.7914,
172.5767

 4.1051, 0.6534,
11.7637

 135.9509, 89.7718,
213.7568

 1.7617, 0.0000,
6.4624

 169.6049,
116.0537, 261.0161

 0.4945, 0.0000,
3.0549

 208.3993,

 0.0000, 0.0000,

147.0214, 314.7732

1.1228

252.6997,
183.0593, 375.4465

■ 0.0000, 0.0000,
0.0000

■ 32.0015, 15.1964,
60.2780

■ 32.0015, 15.1964,
60.2780

■ 32.0014, 15.1963,
60.2782

■ 32.7363, 15.9657,
60.3880

■ 33.7582, 17.3009,
60.5918

■ 35.1635, 19.3935,
60.9217

■ 37.0038, 22.3469,
61.3948

■ 39.3226, 26.2481,
62.0256

■ 42.1582, 31.1734,
62.8268

■ 45.5449, 37.1917,
63.8099

■ 49.5140, 44.3655,
64.9854

■ 54.0946, 52.7528,
66.3629

Harmonies

Analogous

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



22.2686, 15.1964, 104.1032



32.0015, 15.1964, 60.2780



37.1981, 15.1964, 21.2486

Triad

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



32.0015, 15.1964, 60.2780



16.0038, 15.1964, 0.0000



4.1821, 15.1964, 44.2543

Complementary

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



32.0015, 15.1964, 60.2780



22.5820, 44.7645, 7.4509

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.



3.5993, 15.1964, 12.5946



32.0015, 15.1964, 60.2780



8.7073, 15.1964, 0.0000

Square

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



32.0015, 15.1964, 60.2780



25.9371, 15.1964, 0.0000



4.8769, 15.1964, 1.6243



6.9742, 15.1964, 90.0754

Rectangle

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



32.0015, 15.1964, 60.2780



36.3529, 15.1964, 7.3998



4.8769, 15.1964, 1.6243



3.7818, 15.1964, 31.1881

Sweetspot

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



32.0022, 15.1971, 60.2783



72.7736, 59.2126, 102.2013



11.5259, 5.0313, 59.3953



15.0601, 11.7519, 21.7245



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.



32.0022, 15.1971, 60.2783



51.1968, 24.3078, 96.6012



29.3838, 14.7265, 20.4320



12.1994, 11.9516, 14.9076



20.2047, 9.5962, 37.9798



1.1617, 0.5530, 2.1251

Inverse Universe

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



25.8502, 13.3130, 1.8243



41.3988, 21.3235, 2.7660



23.8673, 45.2476, 15.6217



11.8522, 11.8256, 12.4974



16.3019, 8.3936, 1.2298



0.9270, 0.4755, 0.1505

Previews

White Background



This preview shows how the XYZ color 32.0015, 15.1964, 60.2780 looks on a white background.

Color Contrast Check

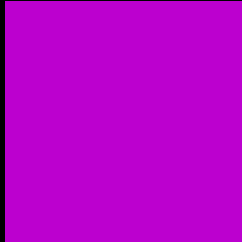
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.0015, 15.1964, 60.2780 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 32.0015, 15.1964, 60.2780

Background



This preview shows how black text looks on a background with the XYZ color 32.0015, 15.1964, 60.2780.



This preview shows how white text looks on a background with the XYZ color 32.0015, 15.1964,

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

32.0015, 15.1964, 60.2780

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.4438, 15.9405, 53.8399



Tritanopia

21.8963, 15.4572, 10.8463

Trichromacy



Original Color

32.0015, 15.1964, 60.2780



Protanomaly

17.2372, 10.4777, 68.1317



Deuteranomaly

17.0762, 10.9572, 55.2478



Tritanomaly

23.6848, 13.5597, 22.8417

Monochromacy



Original Color

32.0015, 15.1964, 60.2780



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5575, 7.7959, 20.5816

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0015, 15.1964, 60.2780 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(188, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(188, 0, 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(188, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 32.0015, 15.1964, 60.2780 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(188, 0, 207) }
```


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

```
.border{ border-color:rgb(188, 0, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 0, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(188, 0,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0015, 15.1964, 60.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 0, 207) }
```

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

```
.background{ background-color: rgb(188, 0,  
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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