

Converting Colors

XYZ(31.7080, 15.2471, 51.1363)

Have a look what the booklet for
XYZ(31.7080, 15.2471, 51.1363)
contains.

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Color

**XYZ(31.7626, 15.2751,
51.1435)**

Conversions

Conversions Part 1

Format	Color
Hex	C200C0
RGB	194, 0, 192
RGB Percent	76%, 0%, 75%
CMY	0.2392, 0.9999, 0.2471
CMYK	0.00, 1.00, 0.01, 0.24
HSL	301°, 100%, 38%
HSV	301°, 100%, 76%
XYZ	31.7626, 15.2751, 51.1435
YIQ	79.8940, 53.9920, 100.8400

Conversions

Conversions Part 2

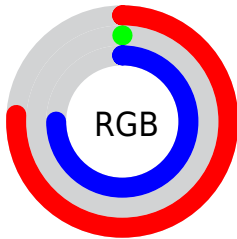
Format	Color
RYB	194, 0, 192
Decimal	12714176
CIELab	46.01, 79.69, -48.56
CIELCh	46, 93.321, 328.647
Yxy	15.2751, 0.3235, 0.1556
Android (android.graphics.Color)	4290904256 (0xFFC200C0)
YUV	79.8940, 55.2683, 100.0710
Hunter-Lab	39.0834, 76.6690, -50.2270

Details

The XYZ color **31.7626, 15.2751, 51.1435** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **19.3035, 38.5888, 6.4891**, and the grayscale version is **7.4959, 7.8863, 8.5882**.

A 20% lighter version of the original color is **61.6281, 35.2227, 93.1730**, and **14.5791, 6.9859, 24.6248** is the 20% darker color. If you saturate the color by 10%, you get **31.7629, 15.2753, 51.1436**, and if you desaturate by 10%, it is **32.0253, 15.7644, 51.3406**.

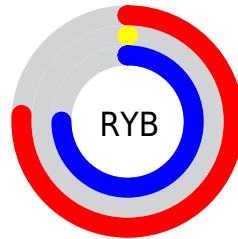
Distribution



Red (76%)

Green (0%)

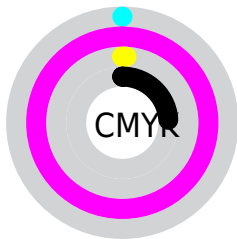
Blue (75%)



Red (76%)

Yellow (0%)

Blue (75%)

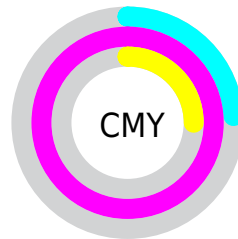


Cyan (0%)

Magenta (100%)

Yellow (1%)

Black (24%)



Cyan (24%)


Magenta (100%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7626, 15.2751, 51.1435 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 31.7626, 15.2751, 51.1435 by changing the saturation by 10% instead.


 31.7626, 15.2751,
51.1435


 31.7626, 15.2751,
51.1435

301.8009,
225.0253, 407.9835


 21.3349, 9.0127,
35.9453


 61.8064, 35.3351,
93.2805

 13.4829, 4.7495,
24.1026


 82.1533, 49.9014,
121.0564

 7.8412, 2.1010,
15.1968


 106.5373, 68.0045,
153.8620

 4.0444, 0.6652,
8.8095

 135.3237, 90.0288,
192.1158

 1.7273, 0.0000,
4.5220

 168.8779,
116.3586, 236.2362

 0.4733, 0.0000,
1.9159

 207.5653,

 0.0000, 0.0000,

147.3784, 286.6420

0.5028

251.7512,
183.4725, 343.7516

■ 0.0000, 0.0000,
0.0000

■ 31.7626, 15.2751,
51.1435

■ 31.7626, 15.2751,
51.1435

■ 31.7629, 15.2753,
51.1436

■ 32.0253, 15.7644,
51.3406

■ 32.5271, 16.7326,
51.6176

■ 33.3540, 18.3507,
52.0030

■ 34.5497, 20.7064,
52.5115

■ 36.1512, 23.8736,
53.1554

■ 38.1910, 27.9175,
53.9455

■ 40.6984, 32.8966,
54.8917

■ 43.7001, 38.8641,
56.0028

■ 47.2208, 45.8696,
57.2871

Harmonies

Analogous

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



23.0976, 15.2751, 91.6098



31.7626, 15.2751, 51.1435



35.6461, 15.2751, 17.6818

Triad

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



31.7626, 15.2751, 51.1435



14.8806, 15.2751, 0.0000



4.8442, 15.2751, 47.4683

Complementary

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



31.7626, 15.2751, 51.1435



19.3035, 38.5888, 6.4891

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.



4.0045, 15.2751, 15.6246



31.7626, 15.2751, 51.1435



8.3801, 15.2751, 0.0000

Square

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



31.7626, 15.2751, 51.1435



23.9557, 15.2751, 0.0000



5.0190, 15.2751, 2.7047



7.9563, 15.2751, 88.4394

Rectangle

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



31.7626, 15.2751, 51.1435



34.2204, 15.2751, 6.2314



5.0190, 15.2751, 2.7047



4.3505, 15.2751, 34.8056

Sweetspot

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



31.7632, 15.2758, 51.1438



73.4922, 59.1187, 99.3580



9.7383, 3.8958, 51.2785



15.6468, 12.0579, 21.5905



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.



31.7632, 15.2758, 51.1438



57.5392, 27.6720, 92.6243



24.4070, 12.3333, 12.4065



10.4927, 10.2457, 12.6850



20.8849, 10.0437, 33.6355



0.9038, 0.4345, 1.4610

Inverse Universe

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



31.7632, 15.2758, 51.1438



57.5392, 27.6720, 92.6243



21.4506, 39.4477, 17.7959



10.4927, 10.2457, 12.6850



20.8849, 10.0437, 33.6355



0.9038, 0.4345, 1.4610

Previews

White Background



This preview shows how the XYZ color 31.7626, 15.2751, 51.1435 looks on a white background.

Color Contrast Check

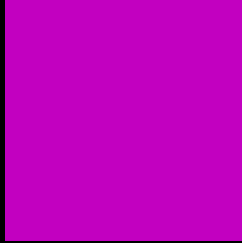
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7626, 15.2751, 51.1435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

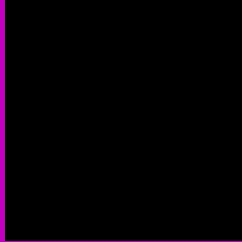
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.7626, 15.2751, 51.1435

Background



This preview shows how black text looks on a background with the XYZ color 31.7626, 15.2751, 51.1435.



This preview shows how white text looks on a background with the XYZ color 31.7626, 15.2751,

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

31.7626, 15.2751, 51.1435

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.3066, 15.8931, 45.3882



Tritanopia

23.2554, 15.5564, 9.3664

Trichromacy



Original Color

31.7626, 15.2751, 51.1435



Protanomaly

16.8033, 10.3289, 64.7264



Deuteranomaly

17.8444, 11.5446, 46.6352



Tritanomaly

24.7578, 13.9335, 19.4737

Monochromacy



Original Color

31.7626, 15.2751, 51.1435



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.5202, 7.8131, 18.9373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7626, 15.2751, 51.1435 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(194, 0, 192)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 192)  
}
```

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(194, 0, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 192) }
```

Border

The CSS property to change the border of an element to XYZ 31.7626, 15.2751, 51.1435 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(194, 0, 192) }
```


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

```
.border{ border-color:rgb(194, 0, 192) }
```

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

Here you see how a box with a 4 pixel rgb(194, 0, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 192);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7626, 15.2751, 51.1435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 0, 192) }
```

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

```
.background{ background-color: rgb(194, 0,  
192) }
```

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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