

Converting Colors

XYZ(31.7966, 15.2817, 51.5770)

Have a look what the booklet for
XYZ(31.7966, 15.2817, 51.5770)
contains.

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Color

**XYZ(31.8738, 15.3196,
51.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	C200C1
RGB	194, 0, 193
RGB Percent	76%, 0%, 76%
CMY	0.2392, 0.9999, 0.2431
CMYK	0.00, 1.00, 0.01, 0.24
HSL	300°, 100%, 38%
HSV	300°, 100%, 76%
XYZ	31.8738, 15.3196, 51.7291
YIQ	80.0080, 53.6710, 101.1510

Conversions

Conversions Part 2

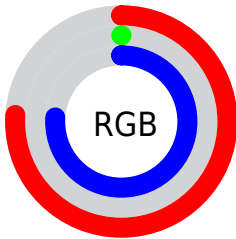
Format	Color
RYB	194, 0, 193
Decimal	12714177
CIELab	46.07, 79.84, -49.04
CIElCh	46, 93.699, 328.439
Yxy	15.3196, 0.3222, 0.1549
Android (android.graphics.Color)	4290904257 (0xFFC200C1)
YUV	80.0080, 55.7051, 99.9710
Hunter-Lab	39.1403, 76.8657, -50.9615

Details

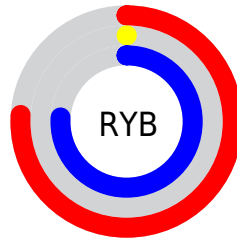
The XYZ color **31.8738, 15.3196, 51.7291** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **19.2980, 38.5866, 6.4603**, and the grayscale version is **7.5173, 7.9088, 8.6126**.

A 20% lighter version of the original color is **61.7845, 35.2853, 93.9968**, and **14.6519, 7.0150, 25.0079** is the 20% darker color. If you saturate the color by 10%, you get **31.8742, 15.3198, 51.7292**, and if you desaturate by 10%, it is **32.1255, 15.8045, 51.8682**.

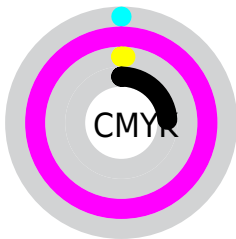
Distribution



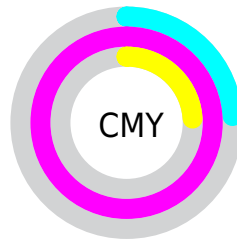
- Red (76%)
- Green (0%)
- Blue (76%)



- Red (76%)
- Yellow (0%)
- Blue (76%)



- Cyan (0%)
- Magenta (100%)
- Yellow (1%)
- Black (24%)





- Cyan (24%)
- Magenta (100%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8738, 15.3196, 51.7291 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 31.8738, 15.3196, 51.7291 by changing the saturation by 10% instead.

 31.8738, 15.3196,
51.7291


 31.8738, 15.3196,
51.7291


302.2995,
225.2926, 410.3170

 21.4202, 9.0440,
36.4084


 61.9797, 35.4129,
94.1541


 13.5457, 4.7699,
24.4576


 82.3628, 49.9994,
122.0955


 7.8850, 2.1129,
15.4581


 106.7863, 68.1249,
155.0810

 4.0726, 0.6719,
8.9913

 135.6158, 90.1739,
193.5289

 1.7433, 0.0000,
4.6388

 169.2165,
116.5308, 237.8580

 0.4831, 0.0000,
1.9819

 207.9537,

 0.0000, 0.0000,

147.5800, 288.4867

0.5441

252.1930,
183.7058, 345.8335

■ 0.0000, 0.0000,
0.0000

■ 31.8738, 15.3196,
51.7291

■ 31.8738, 15.3196,
51.7291

■ 31.8742, 15.3198,
51.7292

■ 32.1255, 15.8045,
51.8682

■ 32.6163, 16.7683,
52.0870

■ 33.4321, 18.3820,
52.4141

■ 34.6167, 20.7333,
52.8642

■ 36.2071, 23.8962,
53.4496

■ 38.2359, 27.9357,
54.1812

■ 40.7321, 32.9103,
55.0686

■ 43.7227, 38.8734,
56.1209

■ 47.2322, 45.8745,
57.3462

Harmonies

Analogous

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



23.1290, 15.3196, 92.4835



31.8738, 15.3196, 51.7291



35.8329, 15.3196, 17.9031

Triad

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



31.8738, 15.3196, 51.7291



14.9817, 15.3196, 0.0000



4.8258, 15.3196, 47.4549

Complementary

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



31.8738, 15.3196, 51.7291



19.2980, 38.5866, 6.4603

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.



3.9969, 15.3196, 15.5148



31.8738, 15.3196, 51.7291



8.4228, 15.3196, 0.0000

Square

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



31.8738, 15.3196, 51.7291



24.1260, 15.3196, 0.0000



5.0282, 15.3196, 2.6517



7.9314, 15.3196, 88.7937

Rectangle

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



31.8738, 15.3196, 51.7291



34.4304, 15.3196, 6.3059



5.0282, 15.3196, 2.6517



4.3354, 15.3196, 34.7305

Sweetspot

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



31.8744, 15.3203, 51.7294



73.5540, 59.1434, 99.6837



9.7383, 3.8958, 51.2785



15.6622, 12.0641, 21.6718



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.



31.8744, 15.3203, 51.7294



57.7439, 27.7539, 93.7020



24.4070, 12.3334, 12.4066



10.4950, 10.2466, 12.6973



20.9570, 10.0726, 34.0153



0.9062, 0.4355, 1.4736

Inverse Universe

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



31.8744, 15.3203, 51.7294



57.7439, 27.7539, 93.7020



21.4507, 39.4477, 17.7960



10.4950, 10.2466, 12.6973



20.9570, 10.0726, 34.0153



0.9062, 0.4355, 1.4736

Previews

White Background



This preview shows how the XYZ color 31.8738, 15.3196, 51.7291 looks on a white background.

Color Contrast Check

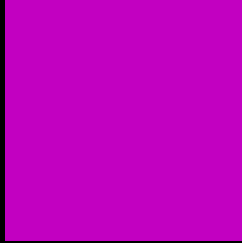
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.8738, 15.3196, 51.7291 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 31.8738, 15.3196, 51.7291

Background



This preview shows how black text looks on a background with the XYZ color 31.8738, 15.3196, 51.7291.



This preview shows how white text looks on a background with the XYZ color 31.8738, 15.3196,

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

31.8738, 15.3196, 51.7291

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

16.4494, 16.1178, 45.9601



Tritanopia

23.3610, 15.7080, 9.5853

Trichromacy



Original Color

31.8738, 15.3196, 51.7291



Protanomaly

16.9314, 10.3801, 65.4012



Deuteranomaly

17.8202, 11.5200, 47.1833



Tritanomaly

24.8195, 13.9581, 19.7984

Monochromacy



Original Color

31.8738, 15.3196, 51.7291



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 31.8738, 15.3196, 51.7291 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(194, 0, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 0, 193) }
```

Border

The CSS property to change the border of an element to XYZ 31.8738, 15.3196, 51.7291 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, 193) }
```


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

```
.border{ border-color:rgb(194, 0, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 0, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 0, 193);  
box-shadow:4px 4px 4px 4px rgb(194, 0,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8738, 15.3196, 51.7291 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, 193) }
```

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

```
.background{ background-color: rgb(194, 0,  
193) }
```

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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