

# Converting Colors

XYZ(31.6071, 15.2084, 51.5571)

Have a look what the booklet for  
XYZ(31.6071, 15.2084, 51.5571)  
contains.

<b>XYZ(31.6288, 15.2094, 51.7208)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(31.6288, 15.2094,  
51.7208)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C101C1
RGB	193, 1, 193
RGB Percent	76%, 0%, 76%
CMY	0.2431, 0.9960, 0.2431
CMYK	0.00, 0.99, 0.00, 0.24
HSL	300°, 99%, 38%
HSV	300°, 99%, 76%
XYZ	31.6288, 15.2094, 51.7208
YIQ	80.2960, 52.8000, 100.4160

# Conversions

## Conversions Part 2

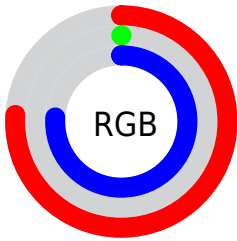
<b>Format</b>	<b>Color</b>
<b>RYB</b>	193, 1, 193
Decimal	12648897
CIELab	45.92, 79.59, -49.29
CIElCh	46, 93.618, 328.229
Yxy	15.2094, 0.3209, 0.1543
Android (android.graphics.Color)	4290838977 (0xFFC101C1)
YUV	80.2960, 55.5631, 98.8414
Hunter-Lab	38.9992, 76.5168, -51.3310

# Details

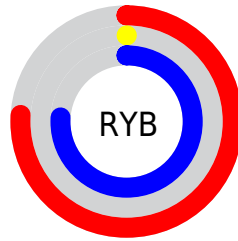
The XYZ color **31.6288, 15.2094, 51.7208** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **19.0887, 38.1493, 6.3869**, and the grayscale version is **7.5733, 7.9677, 8.6768**.

A 20% lighter version of the original color is **61.4195, 35.0971, 93.9797**, and **14.4917, 6.9324, 25.0004** is the 20% darker color. If you saturate the color by 10%, you get **31.6183, 15.1879, 51.7174**, and if you desaturate by 10%, it is **31.8742, 15.6997, 51.8027**.

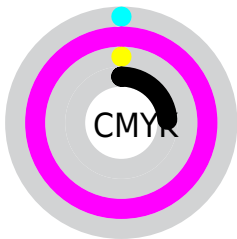
# Distribution



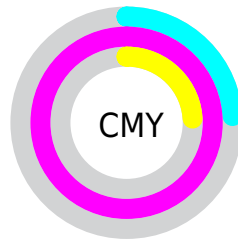
- Red (76%)
- Green (0%)
- Blue (76%)



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



- Cyan (0%)
- Magenta (99%)
- Yellow (0%)
- Black (24%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6288, 15.2094, 51.7208 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 31.6288, 15.2094, 51.7208 by changing the saturation by 10% instead.




 31.6288, 15.2094,  
51.7208


 31.6288, 15.2094,  
51.7208


301.2002,  
224.6302, 410.2840


 21.2323, 8.9665,  
36.4019


 61.5978, 35.2201,  
94.1417


 13.4073, 4.7193,  
24.4526


 81.9011, 49.7567,  
122.0808


 7.7886, 2.0835,  
15.4544


 106.2373, 67.8266,  
155.0637

 4.0106, 0.6553,  
8.9887

 134.9718, 89.8143,  
193.5089

 1.7081, 0.0000,  
4.6371

 168.4700,  
116.1041, 237.8350

 0.4614, 0.0000,  
1.9810

 207.0973,

 0.0000, 0.0000,

147.0804, 288.4606

0.5435

251.2189,  
183.1276, 345.8040

■ 0.0000, 0.0000,  
0.0000

■ 31.6288, 15.2094,  
51.7208

■ 31.6288, 15.2094,  
51.7208

■ 31.6183, 15.1879,  
51.7174

■ 31.8742, 15.6997,  
51.8027

■ 32.3645, 16.6802,  
51.9662

■ 33.1784, 18.3080,  
52.2376

■ 34.3587, 20.6686,  
52.6310

■ 35.9416, 23.8345,  
53.1587

■ 37.9592, 27.8695,  
53.8313

■ 40.4401, 32.8312,  
54.6583

■ 43.4105, 38.7721,  
55.6485

■ 46.8948, 45.7407,  
56.8100

# Harmonies

## Analogous

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



22.9111, 15.2094, 92.2401



31.6288, 15.2094, 51.7208



35.6148, 15.2094, 17.9438

# Triad

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



31.6288, 15.2094, 51.7208



14.9313, 15.2094, 0.0000



4.7686, 15.2094, 46.8961

# Complementary

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



31.6288, 15.2094, 51.7208



19.0887, 38.1493, 6.3869

# 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.



3.9590, 15.2094, 15.2501



31.6288, 15.2094, 51.7208



8.3886, 15.2094, 0.0000

# Square

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



31.6288, 15.2094, 51.7208



24.0360, 15.2094, 0.0000



4.9966, 15.2094, 2.5828



7.8347, 15.2094, 88.0735



# Rectangle

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



31.6288, 15.2094, 51.7208



34.2532, 15.2094, 6.3288



4.9966, 15.2094, 2.5828



4.2866, 15.2094, 34.2688

# Sweetspot

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



31.6294, 15.2101, 51.7211



71.9445, 57.8341, 97.7312



9.6497, 3.8791, 50.6930



15.0149, 11.5682, 20.8267



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.



31.6294, 15.2101, 51.7211



56.6280, 27.2013, 92.6251



24.1620, 12.2231, 12.3981



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3977



0.9086, 0.4365, 1.4862



# Inverse Universe

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



31.6294, 15.2101, 51.7211



56.6280, 27.2013, 92.6251



21.2413, 39.0104, 17.7225



10.4973, 10.2475, 12.7095



21.0296, 10.1016, 34.3977



0.9086, 0.4365, 1.4862



# Previews

## White Background



This preview shows how the XYZ color 31.6288, 15.2094, 51.7208 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

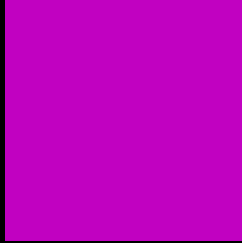
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 31.6288, 15.2094, 51.7208 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 31.6288, 15.2094, 51.7208**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.6288, 15.2094, 51.7208.



This preview shows how white text looks on a background with the XYZ color 31.6288, 15.2094,



# 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

31.6288, 15.2094, 51.7208

### Protanopia

18.9852, 16.0064, 74.0404

### Deuteranopia

16.2717, 15.8633, 45.9204



## Tritanopia

23.1257, 15.5867, 9.5743

# Trichromacy



## Original Color

31.6288, 15.2094, 51.7208



## Protanomaly

16.7305, 10.2914, 64.7230



## Deuteranomaly

17.6923, 11.4540, 47.1773



## Tritanomaly

24.6187, 13.9161, 19.8009

# Monochromacy



## Original Color

31.6288, 15.2094, 51.7208



## 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 31.6288, 15.2094, 51.7208 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, 1, 193)` looks like.

```
.text, #text, p{  
    color:rgb(193, 1, 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(193, 1, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 1, 193) }
```

## Border

The CSS property to change the border of an element to XYZ 31.6288, 15.2094, 51.7208 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, 1, 193) }
```



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

```
.border{ border-color:rgb(193, 1, 193) }
```

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

Here you see how a box with a 4 pixel rgb(193, 1, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 1, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 1, 193);  
box-shadow:4px 4px 4px 4px rgb(193, 1,  
193) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.6288, 15.2094, 51.7208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 1, 193) }
```

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

```
.background{ background-color: rgb(193, 1,  
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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