

Converting Colors

XYZ(31.7782, 17.2617, 55.8971)

Have a look what the booklet for
XYZ(31.7782, 17.2617, 55.8971)
contains.

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Color

**XYZ(31.7306, 17.2662,
55.6931)**

Conversions

Conversions Part 1

Format	Color
Hex	B938C7
RGB	185, 56, 199
RGB Percent	73%, 22%, 78%
CMY	0.2745, 0.7804, 0.2196
CMYK	0.07, 0.72, 0.00, 0.22
HSL	294°, 56%, 50%
HSV	294°, 72%, 78%
XYZ	31.7306, 17.2662, 55.6931
YIQ	110.8730, 30.9810, 71.8210

Conversions

Conversions Part 2

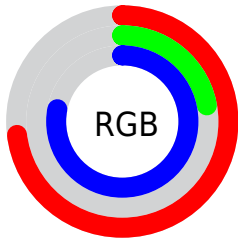
Format	Color
R _Y B	185, 56, 199
Decimal	12138695
CIE Lab	48.59, 68.44, -48.58
CIE LCh	49, 83.924, 324.631
Yxy	17.2662, 0.3031, 0.1649
Android (android.graphics.Color)	4290328775 (0xFFB938C7)
YUV	110.8730, 43.4466, 65.0094
Hunter-Lab	41.5526, 63.5899, -50.3797

Details

The XYZ color **31.7306, 17.2662, 55.6931** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted purple. A complement of this color would be **23.6636, 42.4348, 10.6857**, and the grayscale version is **14.9456, 15.7239, 17.1234**.

A 20% lighter version of the original color is **61.4890, 38.7146, 98.8396**, and **13.9361, 6.6028, 26.9255** is the 20% darker color. If you saturate the color by 10%, you get **30.4841, 15.4656, 55.4115**, and if you desaturate by 10%, it is **33.3681, 19.8379, 56.1034**.

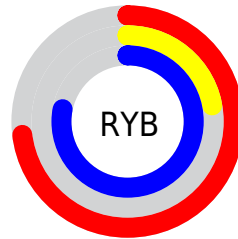
Distribution



Red (73%)

Green (22%)

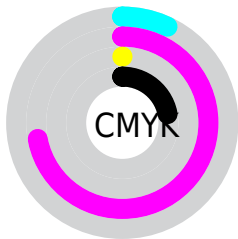
Blue (78%)



Red (73%)

Yellow (22%)

Blue (78%)

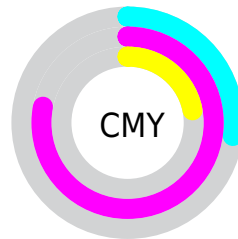


Cyan (7%)

Magenta (72%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (78%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7306, 17.2662, 55.6931 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 31.7306, 17.2662, 55.6931 by changing the saturation by 10% instead.

■ 31.7306, 17.2662,
55.6931

■ 31.7306, 17.2662,
55.6931

301.6574,
236.7018, 425.8897

■ 21.3104, 10.4245,
39.5546

■ 61.7566, 38.7829,
100.0370

■ 13.4648, 5.6813,
26.8803

■ 82.0930, 54.2267,
129.0795

■ 7.8286, 2.6523,
17.2517

■ 106.4655, 73.3065,
163.2604

■ 4.0363, 0.9530,
10.2502

■ 135.2396, 96.4070,
202.9982

■ 1.7227, 0.0000,
5.4574

■ 168.7804,
123.9123, 248.7115

■ 0.4704, 0.0000,
2.4547

207.4534,

■ 0.0000, 0.0000,

156.2069, 300.8188

0.8160

251.6239,
193.6753, 359.7387

■ 0.0000, 0.0000,
0.0000

■ 31.7306, 17.2662,
55.6931

■ 31.7306, 17.2662,
55.6931

■ 30.4841, 15.4656,
55.4115

■ 33.3681, 19.8379,
56.1034

■ 29.5780, 14.3368,
55.2414

■ 35.4350, 23.2597,
56.6550

■ 29.0194, 13.7692,
55.1613

■ 37.9676, 27.6031,
57.3598

■ 40.9975, 32.9315,
58.2286

■ 44.5538, 39.3028,
59.2710

■ 48.6630, 46.7704,
60.4958

■ 53.3500, 55.3838,
61.9113

■ 58.6383, 65.1898,
63.5254

■ 64.5497, 76.2323,
65.3452

Harmonies

Analogous

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



23.4056, 17.2662, 89.9420



31.7306, 17.2662, 55.6931



36.0639, 17.2662, 23.0639

Triad

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



31.7306, 17.2662, 55.6931



17.8392, 17.2662, 0.0158



6.2797, 17.2662, 42.6591

Complementary

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



31.7306, 17.2662, 55.6931



23.6636, 42.4348, 10.6857

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.



5.6264, 17.2662, 15.0969



31.7306, 17.2662, 55.6931



10.9705, 17.2662, 0.5239

Square

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



31.7306, 17.2662, 55.6931



26.5872, 17.2662, 1.0771



7.0404, 17.2662, 3.3692



9.2325, 17.2662, 79.1166

Rectangle

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



31.7306, 17.2662, 55.6931



35.3651, 17.2662, 9.9782



7.0404, 17.2662, 3.3692



5.8327, 17.2662, 31.7086

Sweetspot

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



31.7313, 17.2670, 55.6935



77.6987, 68.2541, 103.6869



14.1494, 9.3831, 55.0984



16.2464, 13.9173, 22.0800



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.



31.7313, 17.2670, 55.6935



52.4499, 25.8769, 96.8381



29.8354, 16.9181, 27.2066



10.9768, 10.7618, 13.4162



18.7015, 8.8752, 35.4718



0.9159, 0.4359, 1.6810

Inverse Universe

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



26.0734, 15.4133, 7.3959



42.6046, 22.8008, 6.0485



25.0468, 42.8848, 22.6405



10.6753, 10.6535, 11.2737



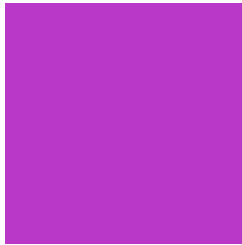
15.2386, 7.8450, 1.2004



0.7363, 0.3774, 0.1344

Previews

White Background



This preview shows how the XYZ color 31.7306, 17.2662, 55.6931 looks on a white background.

Color Contrast Check

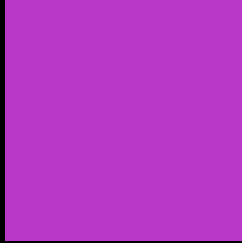
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.7306, 17.2662, 55.6931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

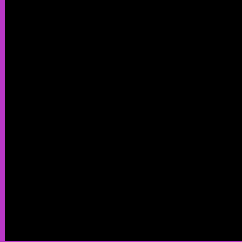
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.7306, 17.2662, 55.6931

Background



This preview shows how black text looks on a background with the XYZ color 31.7306, 17.2662, 55.6931.



This preview shows how white text looks on a background with the XYZ color 31.7306, 17.2662,

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

31.7306, 17.2662, 55.6931

Protanopia

21.0802, 17.7028, 82.4267

Deuteranopia

18.0292, 17.5045, 50.5726



Tritanopia

22.9589, 17.1347, 13.6525

Trichromacy



Original Color

31.7306, 17.2662, 55.6931



Protanomaly

19.4612, 14.1753, 71.5224



Deuteranomaly

20.3104, 15.3004, 52.3349



Tritanomaly

25.2290, 16.5452, 24.7855

Monochromacy



Original Color

31.7306, 17.2662, 55.6931



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

19.1802, 14.8686, 27.8456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7306, 17.2662, 55.6931 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(185, 56, 199)` looks like.

```
.text, #text, p{  
    color:rgb(185, 56, 199)  
}
```

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(185, 56, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 56, 199) }
```

Border

The CSS property to change the border of an element to XYZ 31.7306, 17.2662, 55.6931 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(185, 56, 199) }
```


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

```
.border{ border-color:rgb(185, 56, 199) }
```

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

Here you see how a box with a 4 pixel rgb(185, 56, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 56, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 56, 199);  
box-shadow:4px 4px 4px 4px rgb(185, 56,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7306, 17.2662, 55.6931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 56, 199) }
```

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

```
.background{ background-color: rgb(185, 56,  
199) }
```

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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