

Converting Colors

XYZ(31.3277, 17.8015, 70.1915)

Have a look what the booklet for
XYZ(31.3277, 17.8015, 70.1915)
contains.

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Color

**XYZ(31.3277, 17.8015,
70.1915)**

Conversions

Conversions Part 1

Format	Color
Hex	A845DD
RGB	168, 69, 221
RGB Percent	66%, 27%, 87%
CMY	0.3412, 0.7294, 0.1333
CMYK	0.24, 0.69, 0.00, 0.13
HSL	279°, 69%, 57%
HSV	279°, 69%, 87%
XYZ	31.3277, 17.8015, 70.1915
YIQ	115.9290, 10.2120, 68.2600

Conversions

Conversions Part 2

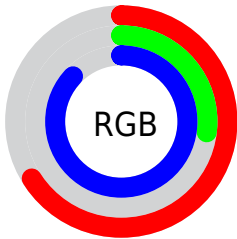
Format	Color
RYB	168, 69, 221
Decimal	11027933
CIELab	49.25, 64.11, -60.26
CIELCh	49, 87.990, 316.773
Yxy	17.8015, 0.2626, 0.1492
Android (android.graphics.Color)	4289218013 (0xFFA845DD)
YUV	115.9290, 51.8000, 45.6663
Hunter-Lab	42.1918, 58.7017, -69.1022

Details

The XYZ color **31.3277, 17.8015, 70.1915** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **34.9570, 56.2805, 14.6515**, and the grayscale version is **16.4238, 17.2791, 18.8170**.

A 20% lighter version of the original color is **56.9362, 37.9662, 98.9351**, and **13.3471, 6.0961, 36.0705** is the 20% darker color. If you saturate the color by 10%, you get **28.6205, 14.7500, 69.7455**, and if you desaturate by 10%, it is **34.6397, 21.9164, 70.8115**.

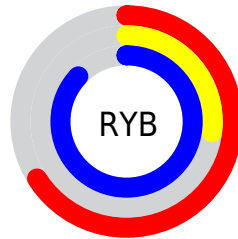
Distribution



Red (66%)

Green (27%)

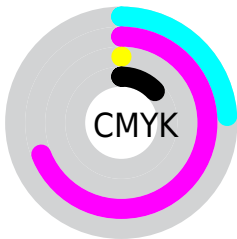
Blue (87%)



Red (66%)

Yellow (27%)

Blue (87%)

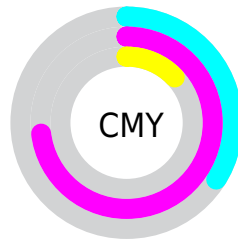


Cyan (24%)

Magenta (69%)

Yellow (0%)

Black (13%)



Cyan (34%)

Magenta (73%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3277, 17.8015, 70.1915 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 31.3277, 17.8015, 70.1915 by changing the saturation by 10% instead.

■ 31.3277, 17.8015,
70.1915

■ 31.3277, 17.8015,
70.1915

299.8452,
239.7498, 480.0294

■ 21.0016, 10.8076,
51.2049

■ 61.1280, 39.6988,
121.1655

■ 13.2376, 5.9376,
35.9938

■ 81.3328, 55.3709,
153.9899

■ 7.6705, 2.8072,
24.1398

■ 105.5613, 74.7046,
192.2641

■ 3.9349, 1.0319,
15.2242

■ 134.1787, 98.0842,
236.4065

■ 1.6653, 0.0000,
8.8285

■ 167.5504,
125.8942, 286.8357

■ 0.4344, 0.0000,
4.5342

206.0419,

■ 0.0000, 0.0000,

158.5188, 343.9702

1.9228

250.0183,
196.3426, 408.2286

■ 0.0000, 0.0000,
0.5072

■ 0.0000, 0.0000,
0.0000

■ 31.3277, 17.8015,
70.1915

■ 31.3277, 17.8015,
70.1915

■ 28.6205, 14.7500,
69.7455

■ 34.6397, 21.9164,
70.8115

■ 26.4545, 12.6399,
69.4524

■ 38.6061, 27.1942,
71.6212

■ 24.7374, 11.2885,
69.2820

■ 43.2735, 33.7250,
72.6358

■ 24.5429, 11.1446,
69.2645

■ 48.6834, 41.5893,
73.8686

■ 54.8737, 50.8607,
75.3319

■ 61.8795, 61.6073,
77.0369

■ 69.7338, 73.8929,
78.9943

■ 78.4676, 87.7772,
81.2140

■ 83.8547, 94.8061,
82.2867

Harmonies

Analogous

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



21.9282, 17.8015, 103.6670



31.3277, 17.8015, 70.1915



37.5629, 17.8015, 31.7616

Triad

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



31.3277, 17.8015, 70.1915



20.8194, 17.8015, 0.0000



5.8154, 17.8015, 35.6909

Complementary

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



31.3277, 17.8015, 70.1915



34.9570, 56.2805, 14.6515

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.



5.6915, 17.8015, 10.7282



31.3277, 17.8015, 70.1915



12.7387, 17.8015, 0.0472

Square

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



31.3277, 17.8015, 70.1915



30.2918, 17.8015, 1.5426



7.7865, 17.8015, 1.9408



8.2080, 17.8015, 74.9886

Rectangle

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



31.3277, 17.8015, 70.1915



38.0937, 17.8015, 14.4991



7.7865, 17.8015, 1.9408



5.5427, 17.8015, 25.2558

Sweetspot

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



31.3285, 17.8022, 70.1919



73.7429, 67.0925, 103.6712



22.4900, 20.4545, 71.1697



15.2661, 13.5824, 22.0670



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.



31.3285, 17.8022, 70.1919



38.0303, 18.8216, 96.2363



42.1635, 23.7153, 55.9029



13.1508, 13.0359, 16.4752



14.3839, 6.5394, 40.2425



1.0236, 0.4709, 2.6114

Inverse Universe

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



35.4601, 21.0340, 20.6035



45.3362, 24.3011, 19.1761



30.2342, 53.7477, 18.8608



13.2426, 13.1261, 14.5386



18.1500, 9.2610, 5.1700



1.2158, 0.6159, 0.5452

Previews

White Background



This preview shows how the XYZ color 31.3277, 17.8015, 70.1915 looks on a white background.

Color Contrast Check

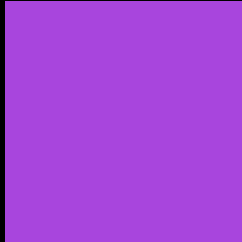
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3277, 17.8015, 70.1915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

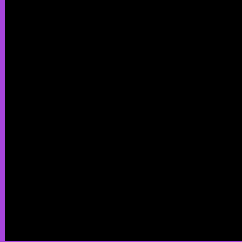
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3277, 17.8015, 70.1915

Background



This preview shows how black text looks on a background with the XYZ color 31.3277, 17.8015, 70.1915.



This preview shows how white text looks on a background with the XYZ color 31.3277, 17.8015,

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

31.3277, 17.8015, 70.1915

Protanopia

21.6333, 18.1015, 84.7918

Deuteranopia

18.5063, 17.9750, 64.1221



Tritanopia

20.6374, 17.6498, 17.6483

Trichromacy



Original Color

31.3277, 17.8015, 70.1915



Protanomaly

20.9071, 15.4247, 78.9661



Deuteranomaly

19.3737, 15.4789, 66.2566



Tritanomaly

23.3132, 16.9173, 31.7424

Monochromacy



Original Color

31.3277, 17.8015, 70.1915



Achromatopsia

16.6002, 17.4647, 19.0191



Achromatomaly

20.2862, 16.4077, 32.6696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3277, 17.8015, 70.1915 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(168, 69, 221)` looks like.

```
.text, #text, p{  
    color:rgb(168, 69, 221)  
}
```

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(168, 69, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 69, 221) }
```

Border

The CSS property to change the border of an element to XYZ 31.3277, 17.8015, 70.1915 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(168, 69, 221) }
```


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

```
.border{ border-color:rgb(168, 69, 221) }
```

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

Here you see how a box with a 4 pixel rgb(168, 69, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 69, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 69, 221);  
box-shadow:4px 4px 4px 4px rgb(168, 69,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3277, 17.8015, 70.1915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 69, 221) }
```

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

```
.background{ background-color: rgb(168, 69,  
221) }
```

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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