

Converting Colors

XYZ(51.6655, 31.5869, 98.1014)

Have a look what the booklet for
XYZ(51.6655, 31.5869, 98.1014)
contains.

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Color

**XYZ(51.7148, 31.6282,
97.9869)**

Conversions

Conversions Part 1

Format	Color
Hex	DA66FF
RGB	218, 102, 255
RGB Percent	85%, 40%, 100%
CMY	0.1451, 0.6000, 0.0000
CMYK	0.15, 0.60, 0.00, 0.00
HSL	285°, 100%, 70%
HSV	285°, 60%, 100%
XYZ	51.7148, 31.6282, 97.9869
YIQ	154.1260, 20.0230, 72.1750

Conversions

Conversions Part 2

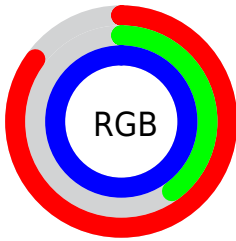
Format	Color
R _Y B	218, 102, 255
Decimal	14313215
CIE Lab	63.03, 67.52, -56.83
CIE LCh	63, 88.254, 319.917
Yxy	31.6282, 0.2852, 0.1744
Android (android.graphics.Color)	4292503295 (0xFFDA66FF)
YUV	154.1260, 49.7309, 56.0175
Hunter-Lab	56.2390, 65.7224, -63.9356

Details

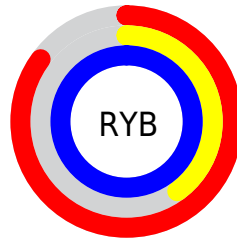
The XYZ color **51.7148, 31.6282, 97.9869** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **48.8064, 77.9686, 25.0487**, and the grayscale version is **30.5542, 32.1454, 35.0064**.

A 20% lighter version of the original color is **71.5169, 52.9337, 101.0556**, and **25.4391, 13.2326, 54.0367** is the 20% darker color. If you saturate the color by 10%, you get **47.7734, 26.4314, 97.1916**, and if you desaturate by 10%, it is **56.4975, 38.4038, 99.0427**.

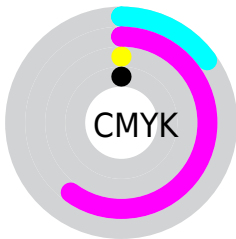
Distribution



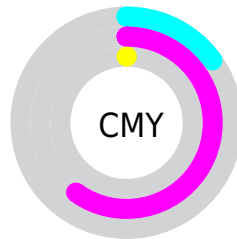
- Red (85%)
- Green (40%)
- Blue (100%)



- Red (85%)
- Yellow (40%)
- Blue (100%)



- Cyan (15%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)




- Cyan (15%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7148, 31.6282, 97.9869 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 51.7148, 31.6282, 97.9869 by changing the saturation by 10% instead.


 51.7148, 31.6282,
97.9869

 51.7148, 31.6282,
97.9869


383.6767,
309.4221, 574.9105

 37.0011, 21.0777,
74.0129


 91.8872, 62.2278,
160.4156

 25.3821, 13.1808,
54.3077

 118.0767, 83.0456,
199.7074

 16.4922, 7.5532,
38.4529


 148.8221,
108.0547, 244.9423

 9.9661, 3.8104,
26.0298

 184.4889,
137.6393, 296.5386

 5.4386, 1.5681,
16.6200

225.4424,
172.1840, 354.9151

 2.5442, 0.3359,
9.8048

272.0480,

 0.9176, 0.0000,

212.0731, 420.4902

5.1658

324.6709,
257.6910, 493.6825

■ 0.0000, 0.0000,
2.2845

■ 0.0000, 0.0000,
0.7225

■ 51.7148, 31.6282,
97.9869

■ 51.7148, 31.6282,
97.9869

■ 47.7734, 26.4314,
97.1916

■ 56.4975, 38.4038,
99.0427

■ 44.5959, 22.6626,
96.6316

■ 62.1829, 46.8826,
100.3796

■ 42.0954, 20.1481,
96.2780

■ 68.8299, 57.1809,
102.0170

■ 40.1282, 18.6018,
96.0833

■ 76.4918, 69.4037,
103.9725

■ 40.1279, 18.6016,
96.0832

■ 85.2172, 83.6478,
106.2619

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



38.7437, 31.6282, 143.4296



51.7148, 31.6282, 97.9869



59.4305, 31.6282, 47.5308

Triad

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



51.7148, 31.6282, 97.9869



34.3404, 31.6282, 1.6383



13.0113, 31.6282, 62.6307

Complementary

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



51.7148, 31.6282, 97.9869



48.8064, 77.9686, 25.0487

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.



12.4272, 31.6282, 24.0013



51.7148, 31.6282, 97.9869



22.7844, 31.6282, 2.0598

Square

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



51.7148, 31.6282, 97.9869



47.7544, 31.6282, 4.4211



15.4949, 31.6282, 6.8231



17.3878, 31.6282, 115.1919

Rectangle

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



51.7148, 31.6282, 97.9869



59.4490, 31.6282, 24.1517



15.4949, 31.6282, 6.8231



12.4206, 31.6282, 47.2945

Sweetspot

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



51.7160, 31.6295, 97.9871



78.1487, 72.0853, 104.4027



32.9452, 28.8754, 98.4449



16.2136, 14.5991, 22.2133



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.



51.7160, 31.6295, 97.9871



47.0786, 25.5676, 97.0615



58.4839, 35.7605, 69.2961



18.3382, 18.0661, 22.7705



21.1088, 9.7925, 50.2122



2.1530, 1.0039, 4.8936

Inverse Universe

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



50.6522, 32.6279, 28.0552



46.6594, 27.0738, 19.2282



45.9924, 76.2460, 37.2020



18.1894, 18.0591, 19.6147



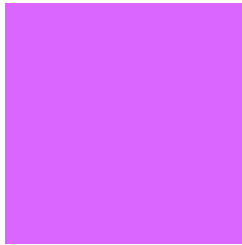
22.0468, 11.3080, 3.6312



2.1874, 1.1173, 0.5680

Previews

White Background



This preview shows how the XYZ color 51.7148, 31.6282, 97.9869 looks on a white background.

Color Contrast Check

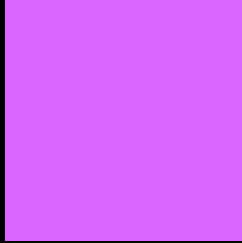
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 51.7148, 31.6282, 97.9869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

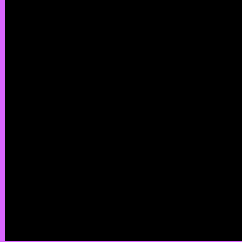
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.7148, 31.6282, 97.9869

Background



This preview shows how black text looks on a background with the XYZ color 51.7148, 31.6282, 97.9869.



This preview shows how white text looks on a background with the XYZ color 51.7148, 31.6282,

97.9869.

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

51.7148, 31.6282, 97.9869

Protanopia

35.0198, 32.1585, 98.9692

Deuteranopia

33.0628, 32.0330, 91.6292



Tritanopia

37.7026, 31.3148, 30.0438

Trichromacy



Original Color

51.7148, 31.6282, 97.9869



Protanomaly

38.4702, 30.1981, 98.4090



Deuteranomaly

36.7793, 29.6405, 93.4052



Tritanomaly

41.6237, 30.7897, 49.0966

Monochromacy



Original Color

51.7148, 31.6282, 97.9869



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.1994, 30.4366, 53.2572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7148, 31.6282, 97.9869 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(218, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 102, 255)  
}
```

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(218, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 51.7148, 31.6282, 97.9869 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(218, 102, 255) }
```


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

```
.border{ border-color:rgb(218, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7148, 31.6282, 97.9869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 102, 255) }
```

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

```
.background{ background-color: rgb(218,  
102, 255) }
```

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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