

Converting Colors

XYZ(52.0165, 31.7843, 98.0012)

Have a look what the booklet for
XYZ(52.0165, 31.7843, 98.0012)
contains.

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Color

**XYZ(52.0148, 31.7828,
98.0010)**

Conversions

Conversions Part 1

Format	Color
Hex	DB66FF
RGB	219, 102, 255
RGB Percent	86%, 40%, 100%
CMY	0.1412, 0.6000, 0.0000
CMYK	0.14, 0.60, 0.00, 0.00
HSL	286°, 100%, 70%
HSV	286°, 60%, 100%
XYZ	52.0148, 31.7828, 98.0010
YIQ	154.4250, 20.6190, 72.3870

Conversions

Conversions Part 2

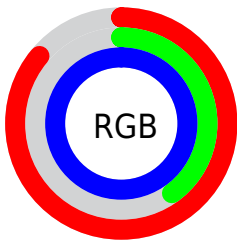
Format	Color
R _Y B	219, 102, 255
Decimal	14378751
CIE _{Lab}	63.16, 67.76, -56.61
CIE _{LCh}	63, 88.297, 320.120
Yxy	31.7828, 0.2861, 0.1748
Android (android.graphics.Color)	4292568831 (0xFFDB66FF)
YUV	154.4250, 49.5835, 56.6323
Hunter-Lab	56.3762, 66.0323, -63.6027

Details

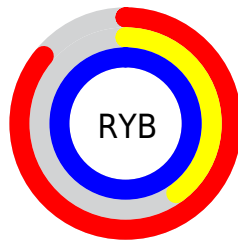
The XYZ color **52.0148, 31.7828, 98.0010** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **48.6401, 77.8829, 25.0408**, and the grayscale version is **30.6856, 32.2836, 35.1568**.

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 **48.1107, 26.6052, 97.2073**, and if you desaturate by 10%, it is **56.7567, 38.5373, 99.0548**.

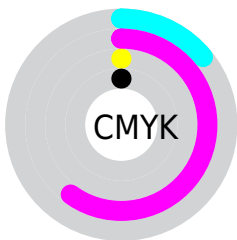
Distribution



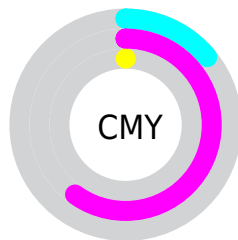
- Red (86%)
- Green (40%)
- Blue (100%)



- Red (86%)
- Yellow (40%)
- Blue (100%)



- Cyan (14%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (14%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.0148, 31.7828, 98.0010 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 52.0148, 31.7828, 98.0010 by changing the saturation by 10% instead.


 52.0148, 31.7828,
98.0010

 52.0148, 31.7828,
98.0010


384.8168,
310.1286, 574.9563


 37.2412, 21.1957,
74.0246

 92.3272, 62.4704,
160.4352


 25.5688, 13.2671,
54.3173


 118.5966, 83.3397,
199.7301

 16.6323, 7.6127,
38.4605


 149.4288,
108.4051, 244.9682

 10.0664, 3.8482,
26.0357

 185.1889,
138.0512, 296.5681

 5.5056, 1.5890,
16.6243

226.2424,
172.6621, 354.9483

 2.5846, 0.3502,
9.8079

272.9547,

 0.9381, 0.0000,

212.6224, 420.5274

5.1678

325.6910,
258.3165, 493.7239

■ 0.0000, 0.0000,
2.2856

■ 0.0000, 0.0000,
0.7231

■ 52.0148, 31.7828,
98.0010

■ 52.0148, 31.7828,
98.0010

■ 48.1107, 26.6052,
97.2073

■ 56.7567, 38.5373,
99.0548

■ 44.9670, 22.8539,
96.6490

■ 62.3976, 46.9932,
100.3896

■ 42.4967, 20.3550,
96.2968

■ 68.9966, 57.2668,
102.0248

■ 40.5566, 18.8226,
96.1033

■ 76.6066, 69.4628,
103.9778

■ 40.5563, 18.8224,
96.1033

■ 85.2765, 83.6782,
106.2647

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.



39.0148, 31.7828, 143.7331



52.0148, 31.7828, 98.0010



59.7020, 31.7828, 47.4565

Triad

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



52.0148, 31.7828, 98.0010



34.4137, 31.7828, 1.6508



13.1057, 31.7828, 63.2315

Complementary

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



52.0148, 31.7828, 98.0010



48.6401, 77.8829, 25.0408

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.



12.4946, 31.7828, 24.3140



52.0148, 31.7828, 98.0010



22.8385, 31.7828, 2.0935

Square

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



52.0148, 31.7828, 98.0010



47.8777, 31.7828, 4.4188



15.5496, 31.7828, 6.9356



17.5290, 31.7828, 115.9657

Rectangle

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



52.0148, 31.7828, 98.0010



59.6752, 31.7828, 24.0956



15.5496, 31.7828, 6.9356



12.5041, 31.7828, 47.7995

Sweetspot

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



52.0160, 31.7841, 98.0011



78.2528, 72.1390, 104.4076



32.9452, 28.8754, 98.4448



16.2392, 14.6123, 22.2145



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.



52.0160, 31.7841, 98.0011



47.4230, 25.7451, 97.0776



58.4838, 35.7604, 69.2961



18.3504, 18.0723, 22.7711



21.3304, 9.9067, 50.2225



2.1729, 1.0141, 4.8945

Inverse Universe

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



50.5794, 32.5987, 27.6719



46.5902, 27.0461, 18.8636



45.9923, 76.2460, 37.2019



18.1845, 18.0571, 19.5887



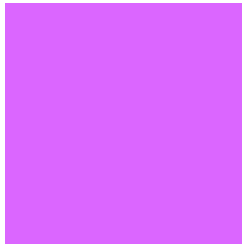
22.0224, 11.2983, 3.5025



2.1843, 1.1161, 0.5522

Previews

White Background



This preview shows how the XYZ color 52.0148, 31.7828, 98.0010 looks on a white background.

Color Contrast Check

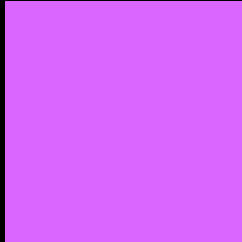
Large Text (above 18pt) WCAG AA × Fail

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 52.0148, 31.7828, 98.0010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

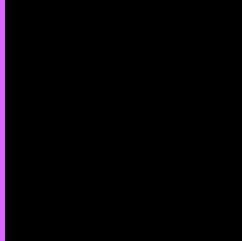
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.0148, 31.7828, 98.0010

Background



This preview shows how black text looks on a background with the XYZ color 52.0148, 31.7828, 98.0010.



This preview shows how white text looks on a background with the XYZ color 52.0148, 31.7828,

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

52.0148, 31.7828, 98.0010

Protanopia

35.1407, 32.2208, 98.9749

Deuteranopia

33.1714, 32.0889, 91.6342



Tritanopia

37.9741, 31.4547, 30.0565

Trichromacy



Original Color

52.0148, 31.7828, 98.0010



Protanomaly

38.6503, 30.2910, 98.4174



Deuteranomaly

36.9517, 29.7294, 93.4133



Tritanomaly

41.9058, 30.9351, 49.1098

Monochromacy



Original Color

52.0148, 31.7828, 98.0010



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

36.4280, 30.5545, 53.2679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.0148, 31.7828, 98.0010 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(219, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(219, 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(219, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 52.0148, 31.7828, 98.0010 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(219, 102, 255) }
```


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

```
.border{ border-color:rgb(219, 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(219, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(219, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 52.0148, 31.7828, 98.0010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 102, 255) }
```

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

```
.background{ background-color: rgb(219,  
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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