

Converting Colors

XYZ(51.8428, 33.7825, 87.9894)

Have a look what the booklet for
XYZ(51.8428, 33.7825, 87.9894)
contains.

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Color

**XYZ(51.8631, 33.8176,
87.7984)**

Conversions

Conversions Part 1

Format	Color
Hex	DD72F2
RGB	221, 114, 242
RGB Percent	87%, 45%, 95%
CMY	0.1333, 0.5529, 0.0510
CMYK	0.09, 0.53, 0.00, 0.05
HSL	290°, 83%, 70%
HSV	290°, 53%, 95%
XYZ	51.8631, 33.8176, 87.7984
YIQ	160.5850, 22.6840, 62.4920

Conversions

Conversions Part 2

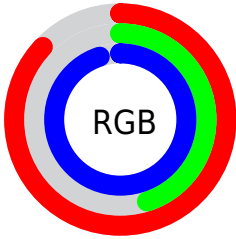
Format	Color
R _Y B	221, 114, 242
Decimal	14512882
CIE Lab	64.82, 60.23, -46.81
CIE LCh	65, 76.282, 322.143
Yxy	33.8176, 0.2990, 0.1949
Android (android.graphics.Color)	4292702962 (0xFFDD72F2)
YUV	160.5850, 40.1376, 52.9840
Hunter-Lab	58.1529, 57.4259, -48.8081

Details

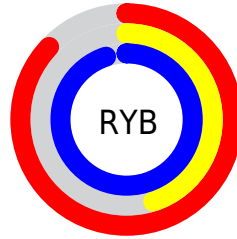
The XYZ color **51.8631, 33.8176, 87.7984** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **44.7822, 69.8709, 27.0473**, and the grayscale version is **33.4978, 35.2423, 38.3789**.

A 20% lighter version of the original color is **73.6647, 57.2295, 101.7716**, and **25.4252, 14.4172, 47.3417** is the 20% darker color. If you saturate the color by 10%, you get **48.2915, 28.4469, 86.9505**, and if you desaturate by 10%, it is **56.1877, 40.6498, 88.8897**.

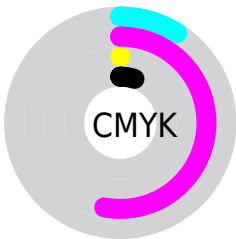
Distribution



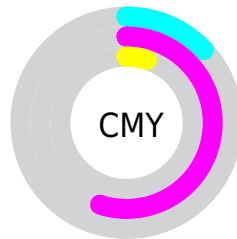
- Red (87%)
- Green (45%)
- Blue (95%)



- Red (87%)
- Yellow (45%)
- Blue (95%)



- Cyan (9%)
- Magenta (53%)
- Yellow (0%)
- Black (5%)





- Cyan (13%)
- Magenta (55%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8631, 33.8176, 87.7984 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 51.8631, 33.8176, 87.7984 by changing the saturation by 10% instead.


 51.8631, 33.8176,
87.7984


 51.8631, 33.8176,
87.7984


384.2405,
319.3180, 541.2270


 37.1198, 22.7535,
65.5927


 92.1047, 65.6499,
146.1851

 25.4744, 14.4116,
47.4875

 118.3338, 87.1869,
183.2033

 16.5614, 8.4075,
33.0641


 149.1221,
112.9837, 225.9960

 10.0157, 4.3568,
21.9040

184.8351,
143.4247, 274.9818

 5.4717, 1.8751,
13.5888

225.8380,
178.8942, 330.5793

 2.5642, 0.5333,
7.6997

272.4964,

 0.9277, 0.0000,

219.7766, 393.2069

3.8184

325.1754,
266.4564, 463.2833

■ 0.0000, 0.0000,
1.5263

■ 0.0000, 0.0000,
0.2374

■ 51.8631, 33.8176,
87.7984

■ 51.8631, 33.8176,
87.7984

■ 48.2915, 28.4469,
86.9505

■ 56.1877, 40.6498,
88.8897

■ 45.4107, 24.4166,
86.3244


■ 61.3136, 49.0430,
90.2396


■ 43.1544, 21.5935,
85.8984


■ 67.2895, 59.0932,
91.8645


■ 41.4409, 19.8145,
85.6453


■ 74.1590, 70.8871,
93.7789


 40.4650, 19.0091,
85.5413

 81.9625, 84.5055,
95.9963

 89.3817, 97.3116,
98.0770

 90.7805, 98.0327,
98.1425

 92.2092, 98.7692,
98.2094

 93.0271, 99.1908,
98.2476

Harmonies

Analogous

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



40.7766, 33.8176, 126.0388



51.8631, 33.8176, 87.7984



57.9257, 33.8176, 45.7222

Triad

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



51.8631, 33.8176, 87.7984



35.1163, 33.8176, 3.5303



16.2831, 33.8176, 64.6427

Complementary

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



51.8631, 33.8176, 87.7984



44.7822, 69.8709, 27.0473

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.



15.4345, 33.8176, 29.1582



51.8631, 33.8176, 87.7984



24.8224, 33.8176, 4.4102

Square

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



51.8631, 33.8176, 87.7984



46.9205, 33.8176, 6.7391



18.1871, 33.8176, 10.7815



20.8475, 33.8176, 108.1802

Rectangle

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



51.8631, 33.8176, 87.7984



57.5205, 33.8176, 25.5092



18.1871, 33.8176, 10.7815



15.6033, 33.8176, 51.0639

Sweetspot

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



51.8644, 33.8191, 87.7991



80.9673, 75.4269, 104.8992



31.6784, 27.4109, 87.6262



16.9849, 15.5505, 22.3563



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.



51.8644, 33.8191, 87.7991



54.2835, 31.8873, 97.9015



52.9839, 35.0523, 58.2105



16.1848, 15.8925, 19.9361



21.8373, 10.2629, 45.9579



1.8838, 0.8884, 3.8264

Inverse Universe

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



47.0095, 32.6625, 26.7499



48.7071, 30.7011, 21.3536



44.7501, 69.5055, 42.8082



15.8786, 15.8011, 16.9168



19.9074, 10.2354, 2.1628



1.6869, 0.8638, 0.3421

Previews

White Background



This preview shows how the XYZ color 51.8631, 33.8176, 87.7984 looks on a white background.

Color Contrast Check

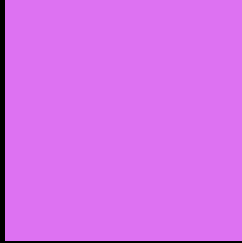
Large Text (above 18pt) WCAG AA × Fail

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 51.8631, 33.8176, 87.7984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

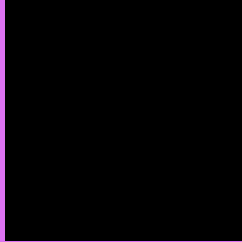
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.8631, 33.8176, 87.7984

Background



This preview shows how black text looks on a background with the XYZ color 51.8631, 33.8176, 87.7984.



This preview shows how white text looks on a background with the XYZ color 51.8631, 33.8176,

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

51.8631, 33.8176, 87.7984

Protanopia

36.9417, 34.1131, 99.2452

Deuteranopia

35.0766, 34.2654, 82.6071



Tritanopia

40.4462, 33.7250, 32.3948

Trichromacy



Original Color

51.8631, 33.8176, 87.7984



Protanomaly

40.0055, 32.3359, 94.5754



Deuteranomaly

39.1090, 32.5351, 84.3394



Tritanomaly

43.7343, 33.2240, 48.3638

Monochromacy



Original Color

51.8631, 33.8176, 87.7984



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

38.7960, 33.7315, 53.1813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8631, 33.8176, 87.7984 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(221, 114, 242)` looks like.

```
.text, #text, p{  
    color:rgb(221, 114, 242)  
}
```

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(221, 114, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 114, 242) }
```

Border

The CSS property to change the border of an element to XYZ 51.8631, 33.8176, 87.7984 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(221, 114, 242) }
```


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

```
.border{ border-color:rgb(221, 114, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 114, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 114, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 114, 242);  
box-shadow:4px 4px 4px 4px rgb(221, 114,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8631, 33.8176, 87.7984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 114, 242) }
```

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

```
.background{ background-color: rgb(221,  
114, 242) }
```

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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