

Converting Colors

XYZ(49.0467, 30.5964, 97.9284)

Have a look what the booklet for
XYZ(49.0467, 30.5964, 97.9284)
contains.

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Color

**XYZ(49.0127, 30.5305,
97.9175)**

Conversions

Conversions Part 1

Format	Color
Hex	D068FF
RGB	208, 104, 255
RGB Percent	82%, 41%, 100%
CMY	0.1843, 0.5921, 0.0000
CMYK	0.18, 0.59, 0.00, 0.00
HSL	281°, 100%, 70%
HSV	281°, 59%, 100%
XYZ	49.0127, 30.5305, 97.9175
YIQ	152.3100, 13.5130, 69.0090

Conversions

Conversions Part 2

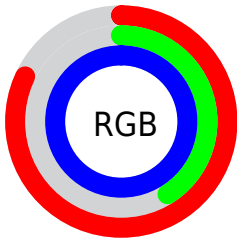
Format	Color
R _Y B	208, 104, 255
Decimal	13658367
CIE Lab	62.11, 64.28, -58.38
CIE LCh	62, 86.828, 317.754
Yxy	30.5305, 0.2762, 0.1720
Android (android.graphics.Color)	4291848447 (0xFFD068FF)
YUV	152.3100, 50.6262, 48.8401
Hunter-Lab	55.2544, 61.6409, -66.3910

Details

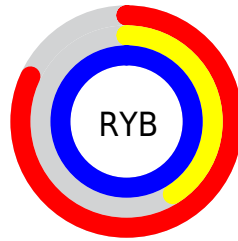
The XYZ color **49.0127, 30.5305, 97.9175** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **51.0217, 79.0990, 25.6763**, and the grayscale version is **29.7641, 31.3141, 34.1011**.

A 20% lighter version of the original color is **71.8608, 53.6216, 101.1703**, and **23.6722, 12.5483, 53.9977** is the 20% darker color. If you saturate the color by 10%, you get **44.6473, 25.0291, 97.0857**, and if you desaturate by 10%, it is **54.2678, 37.6433, 99.0134**.

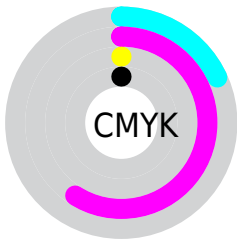
Distribution



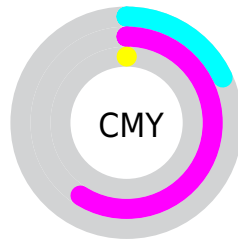
- Red (82%)
- Green (41%)
- Blue (100%)



- Red (82%)
- Yellow (41%)
- Blue (100%)



- Cyan (18%)
- Magenta (59%)
- Yellow (0%)
- Black (0%)




- Cyan (18%)
- Magenta (59%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.0127, 30.5305, 97.9175 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 49.0127, 30.5305, 97.9175 by changing the saturation by 10% instead.


 49.0127, 30.5305,
97.9175


 49.0127, 30.5305,
97.9175


373.3084,
304.3695, 574.6847


 34.8441, 20.2416,
73.9553


 87.9109, 60.5001,
160.3192


 23.7088, 12.5708,
54.2609

 113.3713, 80.9496,
199.5959

 15.2413, 7.1337,
38.4157


 143.3263,
105.5548, 244.8144

 9.0763, 3.5458,
26.0012

 178.1413,
134.7001, 296.3934

 4.8485, 1.4229,
16.5987

218.1817,
168.7697, 354.7514

 2.1925, 0.2335,
9.7899

263.8127,

 0.7388, 0.0000,

208.1483, 420.3069

5.1561

315.3999,
253.2201, 493.4785

■ 0.0000, 0.0000,
2.2788

■ 0.0000, 0.0000,
0.7193

■ 49.0127, 30.5305,
97.9175

■ 49.0127, 30.5305,
97.9175

■ 44.6473, 25.0291,
97.0857

■ 54.2678, 37.6433,
99.0134

■ 41.0941, 20.9898,
96.4933

■ 60.4741, 46.4915,
100.3942

■ 38.2667, 18.2412,
96.1118

■ 67.6913, 57.1909,
102.0790

■ 36.0340, 16.5234,
95.8979

■ 75.9726, 69.8461,
104.0852

■ 35.8712, 16.4072,
95.8840

■ 85.3676, 84.5536,
106.4289

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.



36.4166, 30.5305, 139.7757



49.0127, 30.5305, 97.9175



56.9525, 30.5305, 48.8315

Triad

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



49.0127, 30.5305, 97.9175



34.0458, 30.5305, 1.6829



12.4582, 30.5305, 56.9556

Complementary

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



49.0127, 30.5305, 97.9175



51.0217, 79.0990, 25.6763

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.



12.1431, 30.5305, 21.3840



49.0127, 30.5305, 97.9175



22.6967, 30.5305, 1.9114

Square

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



49.0127, 30.5305, 97.9175



46.8811, 30.5305, 4.7481



15.3696, 30.5305, 6.0445



16.3899, 30.5305, 107.1709

Rectangle

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



49.0127, 30.5305, 97.9175



57.4330, 30.5305, 25.3005



15.3696, 30.5305, 6.0445



11.9729, 30.5305, 42.6936

Sweetspot

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



49.0138, 30.5317, 97.9176



77.0529, 71.5204, 104.3514



34.9583, 32.5612, 99.0502



15.9442, 14.4602, 22.2007



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.



49.0138, 30.5317, 97.9176



43.9554, 24.2049, 96.9631



60.0997, 36.7250, 76.8240



18.2103, 18.0002, 22.7645



18.9040, 8.6559, 50.1090



1.9531, 0.9008, 4.8842

Inverse Universe

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



51.7768, 33.3958, 32.9959



47.7350, 27.7707, 24.0698



45.6128, 76.1207, 34.0062



18.2422, 18.0802, 19.8926



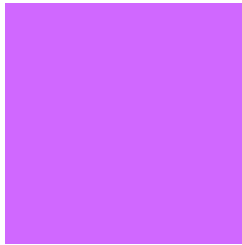
22.3519, 11.4301, 5.2378



2.2230, 1.1316, 0.7557

Previews

White Background



This preview shows how the XYZ color 49.0127, 30.5305, 97.9175 looks on a white background.

Color Contrast Check

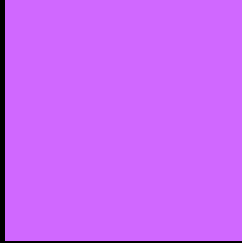
Large Text (above 18pt) WCAG AA × Fail

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 49.0127, 30.5305, 97.9175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

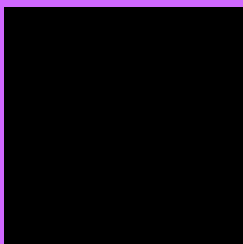
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.0127, 30.5305, 97.9175

Background



This preview shows how black text looks on a background with the XYZ color 49.0127, 30.5305, 97.9175.



This preview shows how white text looks on a background with the XYZ color 49.0127, 30.5305,

97.9175.

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

49.0127, 30.5305, 97.9175

Protanopia

33.9632, 30.9122, 98.7843

Deuteranopia

31.9176, 30.9607, 91.4826



Tritanopia

35.2607, 30.4486, 30.8068

Trichromacy



Original Color

49.0127, 30.5305, 97.9175



Protanomaly

37.1508, 29.1153, 98.2695



Deuteranomaly

35.2968, 28.8763, 93.3359



Tritanomaly

38.9906, 29.7884, 49.5936

Monochromacy



Original Color

49.0127, 30.5305, 97.9175



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

34.8625, 29.7727, 52.0534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0127, 30.5305, 97.9175 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(208, 104, 255)` looks like.

```
.text, #text, p{  
    color:rgb(208, 104, 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(208, 104, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 104, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.0127, 30.5305, 97.9175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

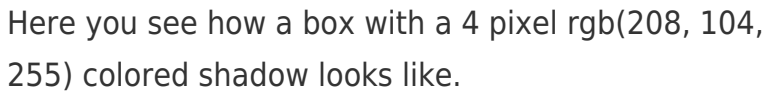
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(208, 104, 255) }
```


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

```
.border{ border-color:rgb(208, 104, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(208, 104, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 104, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 104, 255);  
box-shadow:4px 4px 4px 4px rgb(208, 104,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0127, 30.5305, 97.9175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 104, 255) }
```

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

```
.background{ background-color: rgb(208,  
104, 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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