

Converting Colors

XYZ(48.3742, 28.7312, 97.6036)

Have a look what the booklet for
XYZ(48.3742, 28.7312, 97.6036)
contains.

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Color

**XYZ(48.3472, 28.7807,
97.6148)**

Conversions

Conversions Part 1

Format	Color
Hex	D15EFF
RGB	209, 94, 255
RGB Percent	82%, 37%, 100%
CMY	0.1804, 0.6314, 0.0000
CMYK	0.18, 0.63, 0.00, 0.00
HSL	283°, 100%, 68%
HSV	283°, 63%, 100%
XYZ	48.3472, 28.7807, 97.6148
YIQ	146.7390, 16.8590, 74.4510

Conversions

Conversions Part 2

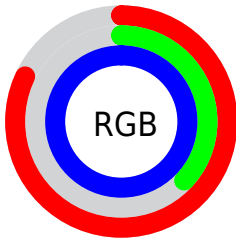
Format	Color
R _Y B	209, 94, 255
Decimal	13721343
CIE Lab	60.59, 69.01, -60.80
CIE LCh	61, 91.974, 318.619
Yxy	28.7807, 0.2767, 0.1647
Android (android.graphics.Color)	4291911423 (0xFFD15EFF)
YUV	146.7390, 53.3727, 54.6029
Hunter-Lab	53.6476, 66.9806, -70.3280

Details

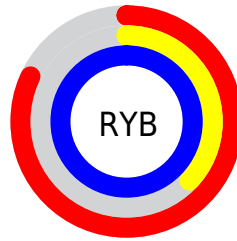
The XYZ color **48.3472, 28.7807, 97.6148** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **48.5960, 77.9038, 23.0663**, and the grayscale version is **27.4087, 28.8361, 31.4025**.

A 20% lighter version of the original color is **70.1963, 50.2927, 100.6154**, and **23.1722, 11.5483, 53.8311** is the 20% darker color. If you saturate the color by 10%, you get **44.4284, 23.9326, 96.8856**, and if you desaturate by 10%, it is **53.1111, 35.1768, 98.5983**.

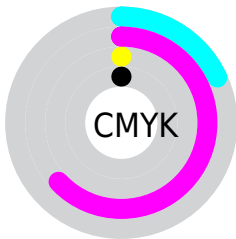
Distribution



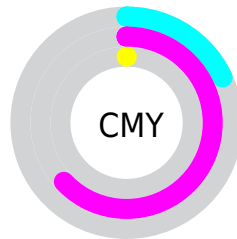
- Red (82%)
- Green (37%)
- Blue (100%)



- Red (82%)
- Yellow (37%)
- Blue (100%)



- Cyan (18%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.3472, 28.7807, 97.6148 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 48.3472, 28.7807, 97.6148 by changing the saturation by 10% instead.


 48.3472, 28.7807,
97.6148


 48.3472, 28.7807,
97.6148

370.7264,
296.1788, 573.6993


 34.3143, 18.9150,
73.7043


 86.9277, 57.7285,
159.8987


 23.2992, 11.6089,
54.0567


 112.2060, 77.5793,
199.1091

 14.9365, 6.4779,
38.2535


 141.9635,
101.5274, 244.2567

 8.8609, 3.1378,
25.8762

 176.5656,
129.9569, 295.7598

 4.7069, 1.2041,
16.5061

216.3776,
163.2525, 354.0371

 2.1093, 0.0651,
9.7248

261.7648,

 0.6943, 0.0000,

201.7984, 419.5071

5.1136

313.0926,
245.9790, 492.5883

■ 0.0000, 0.0000,
2.2542

■ 0.0000, 0.0000,
0.7054

■ 48.3472, 28.7807,
97.6148

■ 48.3472, 28.7807,
97.6148

■ 44.4284, 23.9326,
96.8856

■ 53.1111, 35.1768,
98.5983

■ 41.2731, 20.4746,
96.3844

■ 58.7845, 43.2513,
99.8578

■ 38.7877, 18.2200,
96.0802

■ 65.4289, 53.1243,
101.4133

■ 37.3757, 17.1828,
95.9544

■ 73.0993, 64.9039,
103.2827

■ 81.8461, 78.6894,
105.4826

■ 91.7165, 94.5733,
108.0282

■ 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.



35.3238, 28.7807, 143.3633



48.3472, 28.7807, 97.6148



56.4493, 28.7807, 46.1161

Triad

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



48.3472, 28.7807, 97.6148



32.1196, 28.7807, 0.9999



10.9050, 28.7807, 57.2378

Complementary

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



48.3472, 28.7807, 97.6148



48.5960, 77.9038, 23.0663

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.



10.5053, 28.7807, 20.1105



48.3472, 28.7807, 97.6148



20.6853, 28.7807, 1.2310

Square

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



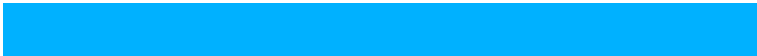
48.3472, 28.7807, 97.6148



45.4245, 28.7807, 3.4092



13.5359, 28.7807, 4.9223



14.8534, 28.7807, 110.6211

Rectangle

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



48.3472, 28.7807, 97.6148



56.7600, 28.7807, 22.5126



13.5359, 28.7807, 4.9223



10.4045, 28.7807, 42.2107

Sweetspot

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



48.3483, 28.7818, 97.6150



76.5834, 70.3564, 104.1515



32.3846, 29.0361, 98.5054



15.8720, 14.2441, 22.1628



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.



48.3483, 28.7818, 97.6150



43.4502, 22.8074, 96.7199



58.5355, 34.5831, 73.2614



18.2573, 18.0244, 22.7667



19.6840, 9.0580, 50.1455



2.0243, 0.9375, 4.8875

Inverse Universe

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



49.9768, 31.1596, 28.1918



46.1051, 25.8931, 19.2651



44.1555, 75.4115, 32.0361



18.2227, 18.0724, 19.7900



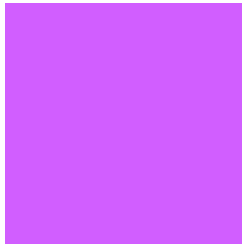
22.2298, 11.3812, 4.5946



2.2091, 1.1260, 0.6824

Previews

White Background



This preview shows how the XYZ color 48.3472, 28.7807, 97.6148 looks on a white background.

Color Contrast Check

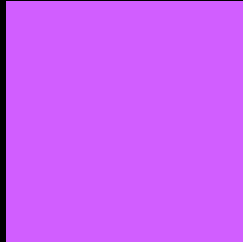
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.3472, 28.7807, 97.6148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

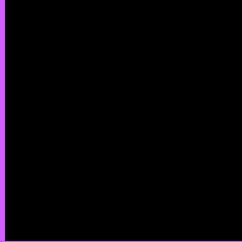
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.3472, 28.7807, 97.6148

Background



This preview shows how black text looks on a background with the XYZ color 48.3472, 28.7807, 97.6148.



This preview shows how white text looks on a background with the XYZ color 48.3472, 28.7807,

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

48.3472, 28.7807, 97.6148

Protanopia

32.4886, 29.2446, 98.5402

Deuteranopia

30.0570, 29.0797, 90.4150



Tritanopia

34.0448, 28.4798, 27.7475

Trichromacy



Original Color

48.3472, 28.7807, 97.6148



Protanomaly

35.5370, 27.1215, 97.9697



Deuteranomaly

33.4222, 26.7135, 93.0172



Tritanomaly

37.8746, 27.8327, 47.0921

Monochromacy



Original Color

48.3472, 28.7807, 97.6148



Achromatopsia

27.7328, 29.1771, 31.7738



Achromatomaly

33.1597, 27.5296, 50.0204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3472, 28.7807, 97.6148 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(209, 94, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 94, 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(209, 94, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 94, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.3472, 28.7807, 97.6148 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(209, 94, 255) }
```


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

```
.border{ border-color:rgb(209, 94, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 94, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 94, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 94, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 94,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3472, 28.7807, 97.6148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 94, 255) }
```

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

```
.background{ background-color: rgb(209, 94,  
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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