

Converting Colors

XYZ(48.7930, 24.1631, 96.7000)

Have a look what the booklet for
XYZ(48.7930, 24.1631, 96.7000)
contains.

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Color

**XYZ(48.8997, 24.2006,
96.7016)**

Conversions

Conversions Part 1

Format	Color
Hex	DE27FF
RGB	222, 39, 255
RGB Percent	87%, 15%, 100%
CMY	0.1294, 0.8470, 0.0000
CMYK	0.13, 0.85, 0.00, 0.00
HSL	291°, 100%, 58%
HSV	291°, 85%, 100%
XYZ	48.8997, 24.2006, 96.7016
YIQ	118.3410, 39.7320, 105.9720

Conversions

Conversions Part 2

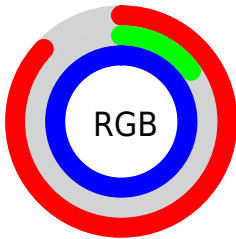
Format	Color
R _Y B	222, 39, 255
Decimal	14559231
CIE Lab	56.29, 89.06, -67.61
CIE LCh	56, 111.814, 322.795
Yxy	24.2006, 0.2880, 0.1425
Android (android.graphics.Color)	4292749311 (0xFFDE27FF)
YUV	118.3410, 67.3729, 90.9089
Hunter-Lab	49.1941, 91.3421, -82.1114

Details

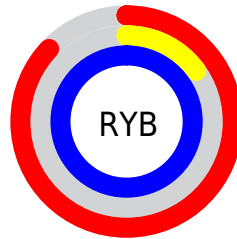
The XYZ color **48.8997, 24.2006, 96.7016** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **38.7993, 73.0445, 13.9743**, and the grayscale version is **17.1153, 18.0066, 19.6092**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **24.7760, 11.6083, 53.7581** is the 20% darker color. If you saturate the color by 10%, you get **47.1458, 22.4429, 96.4548**, and if you desaturate by 10%, it is **51.2443, 27.0967, 97.1371**.

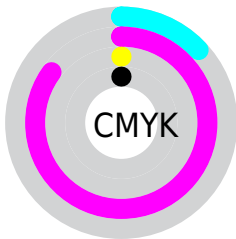
Distribution



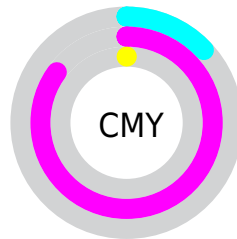
- Red (87%)
- Green (15%)
- Blue (100%)



- Red (87%)
- Yellow (15%)
- Blue (100%)



- Cyan (13%)
- Magenta (85%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (85%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8997, 24.2006, 96.7016 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 48.8997, 24.2006, 96.7016 by changing the saturation by 10% instead.


 48.8997, 24.2006,
96.7016

 48.8997, 24.2006,
96.7016


372.8708,
273.8331, 570.7211


 34.7541, 15.4825,
72.9473


 87.7441, 50.3574,
158.6291

 23.6392, 9.1587,
53.4413


 113.1736, 68.5648,
197.6394


 15.1895, 4.8448,
37.7651


 143.0952, 90.7041,
242.5721

 9.0396, 2.1565,
25.5000

 177.8741,
117.1597, 293.8458

 4.8244, 0.6961,
16.2276

 217.8758,
148.3161, 351.8790

 2.1783, 0.0000,
9.5292

263.4656,

 0.7313, 0.0000,

184.5575, 417.0903

4.9865

315.0088,
226.2683, 489.8982

■ 0.0000, 0.0000,
2.1807

■ 0.0000, 0.0000,
0.6632

■ 48.8997, 24.2006,
96.7016

■ 48.8997, 24.2006,
96.7016

■ 47.1458, 22.4429,
96.4548

■ 51.2443, 27.0967,
97.1371

■ 46.3815, 21.8254,
96.3759

■ 54.2739, 31.3227,
97.7931

■ 58.0688, 37.0378,
98.6962

■ 62.6970, 44.3778,
99.8690

68.2190, 53.4634,
101.3317

74.6893, 64.4035,
103.1023

82.1583, 77.2983,
105.1976

90.6725, 92.2408,
107.6330

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.



33.9919, 24.2006, 160.7123



48.8997, 24.2006, 96.7016



57.3541, 24.2006, 36.2829

Triad

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



48.8997, 24.2006, 96.7016



26.2495, 24.2006, 0.0000



6.8926, 24.2006, 64.4848

Complementary

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



48.8997, 24.2006, 96.7016



38.7993, 73.0445, 13.9743

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.



6.1430, 24.2006, 18.4192



48.8997, 24.2006, 96.7016



14.6798, 24.2006, 0.0000

Square

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



48.8997, 24.2006, 96.7016



41.4593, 24.2006, 0.5586



8.3789, 24.2006, 2.5238



11.0426, 24.2006, 132.8124

Rectangle

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



48.8997, 24.2006, 96.7016



56.5863, 24.2006, 13.5578



8.3789, 24.2006, 2.5238



6.3185, 24.2006, 45.3842

Sweetspot

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



48.9007, 24.2016, 96.7018



74.4826, 64.0501, 103.0450



21.4036, 12.6847, 95.9280



15.4341, 12.8444, 21.9157



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.



48.9007, 24.2016, 96.7018



46.3815, 21.8254, 96.3759



50.5134, 26.1307, 47.1828



18.5040, 18.1515, 22.7783



24.3383, 11.4573, 50.3633



2.4402, 1.1519, 4.9070

Inverse Universe

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



43.1357, 23.1796, 8.3326



41.6055, 21.4062, 3.8547



39.4666, 73.0993, 27.0701



18.1225, 18.0323, 19.2621



21.7733, 11.1986, 2.1905



2.1515, 1.1030, 0.3792

Previews

White Background



This preview shows how the XYZ color 48.8997, 24.2006, 96.7016 looks on a white background.

Color Contrast Check

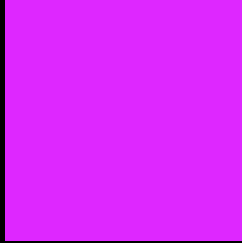
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.8997, 24.2006, 96.7016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

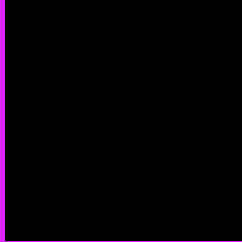
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.8997, 24.2006, 96.7016

Background



This preview shows how black text looks on a background with the XYZ color 48.8997, 24.2006, 96.7016.



This preview shows how white text looks on a background with the XYZ color 48.8997, 24.2006,

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

48.8997, 24.2006, 96.7016

Protanopia

28.3463, 24.5764, 97.8575

Deuteranopia

25.5160, 24.5995, 86.6224



Tritanopia

32.6048, 23.9695, 18.2374

Trichromacy



Original Color

48.8997, 24.2006, 96.7016



Protanomaly

30.4437, 20.0929, 96.8815



Deuteranomaly

26.8818, 18.8447, 89.4094



Tritanomaly

36.2216, 22.2668, 37.5108

Monochromacy



Original Color

48.8997, 24.2006, 96.7016



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

24.3506, 17.0398, 39.0514

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8997, 24.2006, 96.7016 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(222, 39, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 39, 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(222, 39, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 39, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.8997, 24.2006, 96.7016 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(222, 39, 255) }
```


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

```
.border{ border-color:rgb(222, 39, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 39, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 39, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 39, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 39,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8997, 24.2006, 96.7016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 39, 255) }
```

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

```
.background{ background-color: rgb(222, 39,  
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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