

Converting Colors

XYZ(48.6498, 27.2554, 96.0807)

Have a look what the booklet for
XYZ(48.6498, 27.2554, 96.0807)
contains.

XYZ(48.7824, 27.3402, 96.4720)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.7824, 27.3402,
96.4720)**

Conversions

Conversions Part 1

Format	Color
Hex	D750FE
RGB	215, 80, 254
RGB Percent	84%, 31%, 100%
CMY	0.1569, 0.6863, 0.0039
CMYK	0.15, 0.69, 0.00, 0.00
HSL	287°, 99%, 65%
HSV	287°, 69%, 100%
XYZ	48.7824, 27.3402, 96.4720
YIQ	140.2010, 24.6060, 82.7340

Conversions

Conversions Part 2

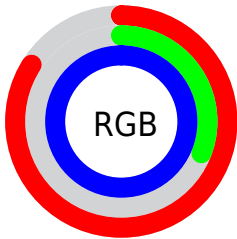
Format	Color
R _{YB}	215, 80, 254
Decimal	14110974
CIE Lab	59.29, 75.81, -62.29
CIE LCh	59, 98.113, 320.592
Yxy	27.3402, 0.2826, 0.1584
Android (android.graphics.Color)	4292301054 (0xFFD750FE)
YUV	140.2010, 56.1029, 65.5987
Hunter-Lab	52.2879, 75.0293, -72.7896

Details

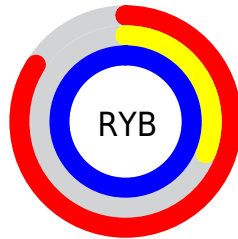
The XYZ color **48.7824, 27.3402, 96.4720** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **44.4984, 75.3854, 19.7960**, and the grayscale version is **24.7888, 26.0798, 28.4009**.

A 20% lighter version of the original color is **68.5226, 46.9452, 100.0575**, and **23.6741, 11.0534, 53.1103** is the 20% darker color. If you saturate the color by 10%, you get **45.6191, 23.4513, 95.8885**, and if you desaturate by 10%, it is **52.7086, 32.6661, 97.2935**.

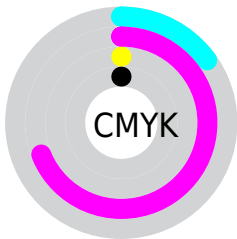
Distribution



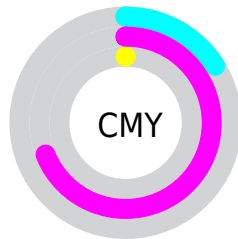
- Red (84%)
- Green (31%)
- Blue (100%)



- Red (84%)
- Yellow (31%)
- Blue (100%)



- Cyan (15%)
- Magenta (69%)
- Yellow (0%)
- Black (0%)





- Cyan (16%)
- Magenta (69%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7824, 27.3402, 96.4720 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 48.7824, 27.3402, 96.4720 by changing the saturation by 10% instead.

 48.7824, 27.3402,
96.4720

 48.7824, 27.3402,
96.4720


372.4162,
289.3006, 569.9710


 34.6607, 17.8289,
72.7571


 87.5709, 55.4293,
158.3097


 23.5669, 10.8272,
53.2867


 112.9683, 74.7759,
197.2696

 15.1357, 5.9508,
37.6424


 142.8551, 98.1697,
242.1482

 9.0016, 2.8152,
25.4056

 177.5966,
125.9951, 293.3640

 4.7993, 1.0360,
16.1577

217.5581,
158.6364, 351.3357

 2.1636, 0.0000,
9.4803

263.1049,

 0.7234, 0.0000,

196.4782, 416.4817

4.9547

314.6025,
239.9048, 489.2207

■ 0.0000, 0.0000,
2.1624

■ 0.0000, 0.0000,
0.6526

■ 48.7824, 27.3402,
96.4720

■ 48.7824, 27.3402,
96.4720

■ 45.6191, 23.4513,
95.8885

■ 52.7086, 32.6661,
97.2935

■ 43.1307, 20.8278,
95.5133

■ 57.4656, 39.5678,
98.3750

■ 41.1993, 19.2338,
95.3074

■ 63.1176, 48.1712,
99.7377

■ 40.9339, 19.0356,
95.2832

■ 69.7209, 58.5884,
101.4004

■ 77.3273, 70.9221,
103.3801

■ 85.9845, 85.2669,
105.6927

94.8356, 99.9080,
108.0522

94.8895, 99.9358,
108.0547

Harmonies

Analogous

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



35.1886, 27.3402, 148.2113



48.7824, 27.3402, 96.4720



56.8638, 27.3402, 42.2219

Triad

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



48.7824, 27.3402, 96.4720



30.0322, 27.3402, 0.3794



9.5777, 27.3402, 60.3809

Complementary

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



48.7824, 27.3402, 96.4720



44.4984, 75.3854, 19.7960

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.



8.9794, 27.3402, 20.0422



48.7824, 27.3402, 96.4720



18.5465, 27.3402, 0.7254

Square

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



48.7824, 27.3402, 96.4720



44.0044, 27.3402, 2.1431



11.6979, 27.3402, 4.1897



13.7114, 27.3402, 118.3116

Rectangle

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



48.7824, 27.3402, 96.4720



56.7213, 27.3402, 19.0049



11.6979, 27.3402, 4.1897



9.0212, 27.3402, 43.9807

Sweetspot

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



48.7836, 27.3413, 96.4726



76.0030, 68.2577, 103.7770



27.9876, 22.4402, 96.6227



15.8073, 13.8614, 22.0923



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.



48.7836, 27.3413, 96.4726



45.0731, 22.5955, 96.5935



55.0785, 31.3435, 62.5649



18.3710, 18.0830, 22.7721



21.7139, 10.1044, 50.2405



2.2073, 1.0318, 4.8961

Inverse Universe

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



47.0723, 28.1410, 20.4046



44.1785, 23.9924, 12.6043



42.5427, 74.1065, 31.9374



18.1761, 18.0537, 19.5443



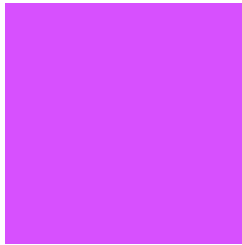
21.9824, 11.2822, 3.2917



2.1794, 1.1141, 0.5260

Previews

White Background



This preview shows how the XYZ color 48.7824, 27.3402, 96.4720 looks on a white background.

Color Contrast Check

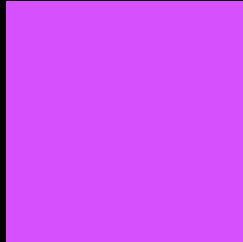
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.7824, 27.3402, 96.4720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

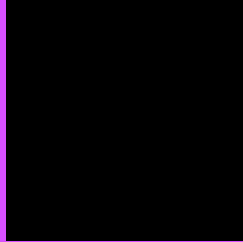
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 48.7824, 27.3402, 96.4720

Background



This preview shows how black text looks on a background with the XYZ color 48.7824, 27.3402, 96.4720.



This preview shows how white text looks on a background with the XYZ color 48.7824, 27.3402,

96.4720.

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

48.7824, 27.3402, 96.4720

Protanopia

31.1204, 27.6637, 98.3071

Deuteranopia

28.6767, 27.7197, 88.6330



Tritanopia

33.8258, 27.1300, 24.2227

Trichromacy



Original Color

48.7824, 27.3402, 96.4720



Protanomaly

34.2013, 25.1634, 97.6622



Deuteranomaly

31.7943, 24.6011, 91.0684



Tritanomaly

37.6959, 26.2014, 43.1150

Monochromacy



Original Color

48.7824, 27.3402, 96.4720



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

30.7553, 24.5086, 46.8257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7824, 27.3402, 96.4720 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(215, 80, 254)` looks like.

```
.text, #text, p{  
    color:rgb(215, 80, 254)  
}
```

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(215, 80, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 80, 254) }
```

Border

The CSS property to change the border of an element to XYZ 48.7824, 27.3402, 96.4720 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(215, 80, 254) }
```


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

```
.border{ border-color:rgb(215, 80, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 80, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 80, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 80, 254);  
box-shadow:4px 4px 4px 4px rgb(215, 80,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7824, 27.3402, 96.4720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 80, 254) }
```

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

```
.background{ background-color: rgb(215, 80,  
254) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor