

Converting Colors

XYZ(48.2479, 32.0530, 75.5954)

Have a look what the booklet for
XYZ(48.2479, 32.0530, 75.5954)
contains.

| | |
|--|----|
| XYZ(48.2479, 32.0530, 75.5954) | 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(48.2479, 32.0530,
75.5954)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D971E2 |
| RGB | 217, 113, 226 |
| RGB Percent | 85%, 44%, 89% |
| CMY | 0.1490, 0.5568, 0.1137 |
| CMYK | 0.04, 0.50, 0.00, 0.11 |
| HSL | 295°, 66%, 66% |
| HSV | 295°, 50%, 89% |
| XYZ | 48.2479, 32.0530, 75.5954 |
| YIQ | 156.9780, 25.7110, 57.1910 |

Conversions

Conversions Part 2

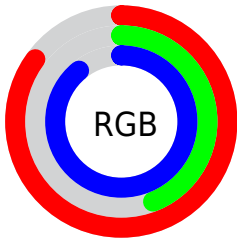
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 217, 113, 226 |
| Decimal | 14250466 |
| CIE _{Lab} | 63.39, 56.67, -40.22 |
| CIE _{LCh} | 63, 69.495, 324.635 |
| Yxy | 32.0530, 0.3095, 0.2056 |
| Android (android.graphics.Color) | 4292440546 (0xFFD971E2) |
| YUV | 156.9780, 34.0278, 52.6393 |
| Hunter-Lab | 56.6154, 53.0417, -39.5359 |

Details

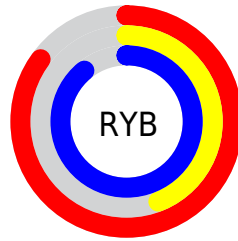
The XYZ color **48.2479, 32.0530, 75.5954** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **38.2041, 59.7233, 25.1385**, and the grayscale version is **31.8829, 33.5433, 36.5286**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **23.2660, 13.4020, 39.3908** is the 20% darker color. If you saturate the color by 10%, you get **45.5016, 27.3495, 74.8327**, and if you desaturate by 10%, it is **51.6300, 38.0177, 76.5689**.

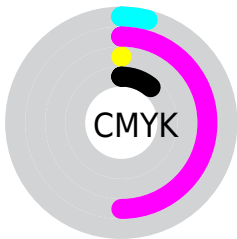
Distribution



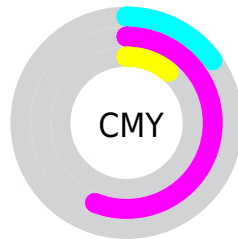
- Red (85%)
- Green (44%)
- Blue (89%)



- Red (85%)
- Yellow (44%)
- Blue (89%)



- Cyan (4%)
- Magenta (50%)
- Yellow (0%)
- Black (11%)





- Cyan (15%)
- Magenta (56%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2479, 32.0530, 75.5954 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 48.2479, 32.0530, 75.5954 by changing the saturation by 10% instead.


 48.2479, 32.0530,
75.5954


 48.2479, 32.0530,
75.5954


370.3402,
311.3606, 499.2715


 34.2353, 21.4020,
55.5961


 86.7809, 62.8942,
128.9097

 23.2382, 13.4182,
39.4774


 112.0319, 83.8531,
163.0617

 14.8911, 7.7171,
26.8206


 141.7599,
109.0168, 202.7685

 8.8288, 3.9145,
17.2073

176.3301,
138.7697, 248.4485

 4.6859, 1.6258,
10.2189

216.1078,
173.4961, 300.5202

 2.0970, 0.3749,
5.4368

261.4585,

 0.6876, 0.0000,

213.5805, 359.4023

2.4426

312.7475,
259.4072, 425.5132

■ 0.0000, 0.0000,
0.8095

■ 0.0000, 0.0000,
0.0000

■ 48.2479, 32.0530,
75.5954

■ 48.2479, 32.0530,
75.5954

■ 45.5016, 27.3495,
74.8327

■ 51.6300, 38.0177,
76.5689

■ 43.3402, 23.8080,
74.2631


■ 55.6870, 45.3245,
77.7654


■ 41.7106, 21.3215,
73.8690


■ 60.4591, 54.0527,
79.1986


■ 40.5482, 19.7609,
73.6291


■ 65.9822, 64.2741,
80.8805


 39.7407, 18.9014,
73.5057


 72.2898, 76.0556,
82.8221

 39.7405, 18.9012,
73.5057

 79.4132, 89.4602,
85.0340

 81.9927, 93.7680,
85.7295

 82.5720, 94.0667,
85.7566

 83.1573, 94.3684,
85.7840

Harmonies

Analogous

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



38.8764, 32.0530, 108.9539



48.2479, 32.0530, 75.5954



52.9349, 32.0530, 40.1100

Triad

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



48.2479, 32.0530, 75.5954



32.2340, 32.0530, 4.2199



16.5161, 32.0530, 62.0806

Complementary

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



48.2479, 32.0530, 75.5954



38.2041, 59.7233, 25.1385

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.



15.4697, 32.0530, 30.1624



48.2479, 32.0530, 75.5954



23.3645, 32.0530, 5.4493

Square

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



48.2479, 32.0530, 75.5954



42.5210, 32.0530, 7.0212



17.6969, 32.0530, 12.2883



20.9355, 32.0530, 98.6788

Rectangle

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



48.2479, 32.0530, 75.5954



52.1855, 32.0530, 23.1178



17.6969, 32.0530, 12.2883



15.8037, 32.0530, 50.1291

Sweetspot

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



48.2490, 32.0544, 75.5961



82.9266, 77.4037, 105.1775



27.5497, 23.0249, 74.9442



17.4252, 15.9678, 22.4136



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.



48.2490, 32.0544, 75.5961



59.6997, 35.7446, 98.3606



45.3984, 31.2317, 46.2405



14.1817, 13.8772, 17.3188



22.7191, 10.8074, 41.9370



1.6071, 0.7658, 2.9084

Inverse Universe

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



40.7830, 29.3855, 21.9362



49.0392, 31.9819, 19.5633



40.3600, 60.4452, 42.8373



13.7513, 13.7182, 14.4606



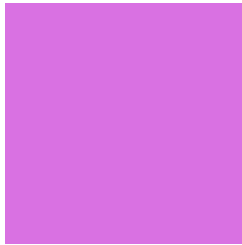
17.9725, 9.2560, 1.2552



1.2614, 0.6478, 0.1694

Previews

White Background



This preview shows how the XYZ color 48.2479, 32.0530, 75.5954 looks on a white background.

Color Contrast Check

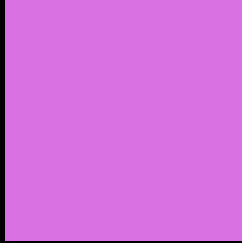
Large Text (above 18pt) WCAG AA × Fail

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 48.2479, 32.0530, 75.5954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

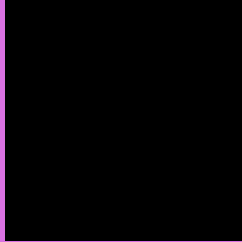
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2479, 32.0530, 75.5954

Background



This preview shows how black text looks on a background with the XYZ color 48.2479, 32.0530, 75.5954.

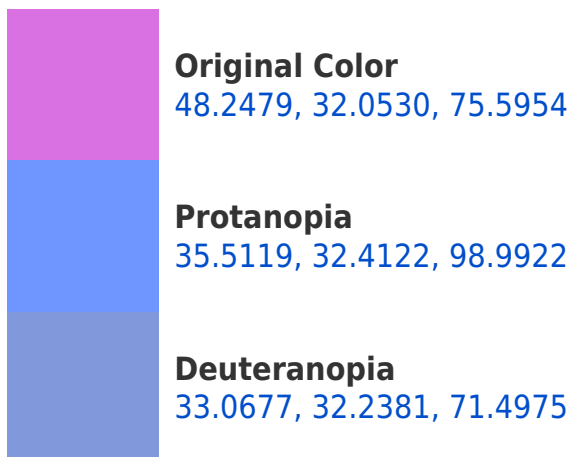


This preview shows how white text looks on a background with the XYZ color 48.2479, 32.0530,

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





Tritanopia

38.7991, 31.8800, 30.0951

Trichromacy



Original Color

48.2479, 32.0530, 75.5954



Protanomaly

37.8525, 30.9070, 89.5586



Deuteranomaly

36.9712, 31.0280, 73.1476



Tritanomaly

41.5820, 31.6405, 43.4508

Monochromacy



Original Color

48.2479, 32.0530, 75.5954



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.5588, 32.0109, 48.5078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2479, 32.0530, 75.5954 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(217, 113, 226)` looks like.

```
.text, #text, p{  
    color:rgb(217, 113, 226)  
}
```

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(217, 113, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 113, 226) }
```

Border

The CSS property to change the border of an element to XYZ 48.2479, 32.0530, 75.5954 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(217, 113, 226) }
```


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

```
.border{ border-color:rgb(217, 113, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 113, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 113, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 113, 226);  
box-shadow:4px 4px 4px 4px rgb(217, 113,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2479, 32.0530, 75.5954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 113, 226) }
```

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

```
.background{ background-color: rgb(217,  
113, 226) }
```

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