

# Converting Colors

XYZ(48.9085, 32.9235, 82.3846)

Have a look what the booklet for  
XYZ(48.9085, 32.9235, 82.3846)  
contains.

<b>XYZ(48.7973, 32.8669, 82.3693)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.7973, 32.8669,  
82.3693)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D575EB
RGB	213, 117, 235
RGB Percent	84%, 46%, 92%
CMY	0.1647, 0.5412, 0.0784
CMYK	0.09, 0.50, 0.00, 0.08
HSL	289°, 75%, 69%
HSV	289°, 50%, 92%
XYZ	48.7973, 32.8669, 82.3693
YIQ	159.1560, 19.3380, 57.0500

# Conversions

## Conversions Part 2

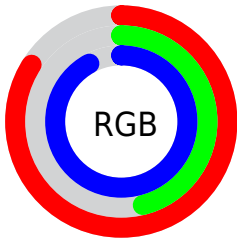
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 117, 235
Decimal	13989355
CIE Lab	64.05, 55.31, -44.21
CIE LCh	64, 70.808, 321.362
Yxy	32.8669, 0.2975, 0.2004
Android (android.graphics.Color)	4292179435 (0xFFD575EB)
YUV	159.1560, 37.3911, 47.2212
Hunter-Lab	57.3297, 51.6070, -45.0551

# Details

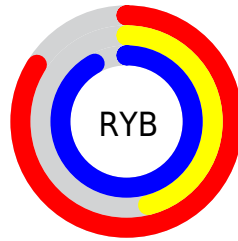
The XYZ color **48.7973, 32.8669, 82.3693** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.5677, 66.1907, 27.3109**, and the grayscale version is **32.8553, 34.5663, 37.6428**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **23.6245, 13.8776, 44.0813** is the 20% darker color. If you saturate the color by 10%, you get **45.1416, 27.4158, 81.5103**, and if you desaturate by 10%, it is **53.1768, 39.7127, 83.4604**.

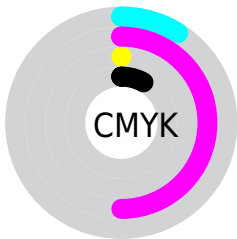
# Distribution



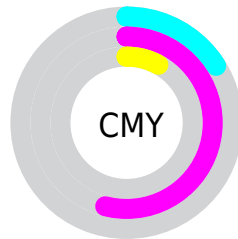
- Red (84%)
- Green (46%)
- Blue (92%)



- Red (84%)
- Yellow (46%)
- Blue (92%)



- Cyan (9%)
- Magenta (50%)
- Yellow (0%)
- Black (8%)




- Cyan (16%)
- Magenta (54%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7973, 32.8669, 82.3693 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 48.7973, 32.8669, 82.3693 by changing the saturation by 10% instead.




 48.7973, 32.8669,  
82.3693


 48.7973, 32.8669,  
82.3693

372.4740,  
315.0496, 522.7980


 34.6726, 22.0245,  
61.1324


 87.5929, 64.1677,  
138.5331

 23.5761, 13.8749,  
43.9008

 112.9944, 85.3948,  
174.2971

 15.1425, 8.0337,  
30.2559


 142.8856,  
110.8524, 215.7405

 9.0064, 4.1165,  
19.7792

177.6319,  
140.9247, 263.2819

 4.8025, 1.7390,  
12.0522

217.5984,  
175.9962, 317.3398

 2.1654, 0.4487,  
6.6562

263.1508,

 0.7244, 0.0000,

216.4512, 378.3327

3.1729

314.6542,  
262.6742, 446.6793

■ 0.0000, 0.0000,  
1.1836

■ 0.0000, 0.0000,  
0.0000

■ 48.7973, 32.8669,  
82.3693

■ 48.7973, 32.8669,  
82.3693

■ 45.1416, 27.4158,  
81.5103

■ 53.1768, 39.7127,  
83.4604

■ 42.1535, 23.2503,  
80.8638


■ 58.3239, 48.0433,  
84.7970


■ 39.7739, 20.2517,  
80.4104


■ 64.2829, 57.9458,  
86.3943


■ 37.9312, 18.2769,  
80.1264


■ 71.0935, 69.4995,  
88.2655


 36.5288, 17.0990,  
79.9729

 78.7929, 82.7783,  
90.4227

 86.4499, 95.9193,  
92.5556

 87.9495, 96.6924,  
92.6258

 89.4853, 97.4841,  
92.6977

 91.0574, 98.2946,  
92.7713

# Harmonies

## Analogous

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



38.7809, 32.8669, 115.4897



48.7973, 32.8669, 82.3693



54.3706, 32.8669, 44.7125

# Triad

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



48.7973, 32.8669, 82.3693



34.2174, 32.8669, 4.2828



16.5335, 32.8669, 59.8315

# Complementary

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



48.7973, 32.8669, 82.3693



43.5677, 66.1907, 27.3109

# 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.



15.8222, 32.8669, 28.1353



48.7973, 32.8669, 82.3693



24.7444, 32.8669, 5.0967

# Square

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



48.7973, 32.8669, 82.3693



44.8514, 32.8669, 7.7020



18.4964, 32.8669, 11.2361



20.7038, 32.8669, 98.3502



# Rectangle

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



48.7973, 32.8669, 82.3693



54.1413, 32.8669, 25.9956



18.4964, 32.8669, 11.2361



15.9233, 32.8669, 47.7706

# Sweetspot

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



48.7985, 32.8683, 82.3700



81.4634, 76.6494, 105.1090



31.7988, 28.7136, 82.4641



17.0694, 15.7844, 22.3970



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.



48.7985, 32.8683, 82.3700



54.3147, 32.9685, 98.1086



51.0018, 34.5375, 58.3782



15.4235, 15.1636, 19.0362



20.4314, 9.5687, 44.5131



1.6755, 0.7881, 3.4987



# Inverse Universe

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



45.2834, 32.2501, 28.2655



50.0559, 32.3886, 24.9175



42.7459, 65.4795, 40.2652



15.1802, 15.0999, 16.2341



19.3530, 9.9439, 2.3942



1.5520, 0.7938, 0.3581



# Previews

## White Background



This preview shows how the XYZ color 48.7973, 32.8669, 82.3693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

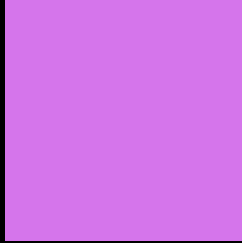
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 48.7973, 32.8669, 82.3693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

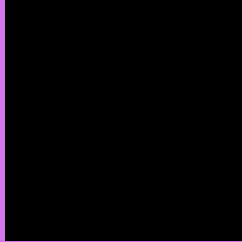
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 48.7973, 32.8669, 82.3693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7973, 32.8669, 82.3693.



This preview shows how white text looks on a background with the XYZ color 48.7973, 32.8669,



# 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

48.7973, 32.8669, 82.3693

### Protanopia

36.2177, 33.2539, 99.1175

### Deuteranopia

34.0166, 33.0726, 77.9896



## Tritanopia

38.6007, 32.7644, 32.7235

# Trichromacy



## Original Color

48.7973, 32.8669, 82.3693

## Protanomaly

38.7536, 31.7266, 92.8882

## Deuteranomaly

37.8533, 31.9874, 79.7804

## Tritanomaly

41.3977, 32.2397, 47.2210

# Monochromacy



## Original Color

48.7973, 32.8669, 82.3693

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

37.5333, 33.1181, 51.4279

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7973, 32.8669, 82.3693 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(213, 117, 235)` looks like.

```
.text, #text, p{  
    color:rgb(213, 117, 235)  
}
```

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(213, 117, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 117, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7973, 32.8669, 82.3693 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(213, 117, 235) }
```



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

```
.border{ border-color:rgb(213, 117, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 117, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 117, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 117, 235);  
box-shadow:4px 4px 4px 4px rgb(213, 117,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7973, 32.8669, 82.3693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 117, 235) }
```

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

```
.background{ background-color: rgb(213,  
117, 235) }
```

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