

# Converting Colors

XYZ(49.5935, 33.6176, 43.9197)

Have a look what the booklet for  
XYZ(49.5935, 33.6176, 43.9197)  
contains.

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# Color

**XYZ(49.5925, 33.6159,  
43.9191)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F072AE
RGB	240, 114, 174
RGB Percent	94%, 45%, 68%
CMY	0.0588, 0.5529, 0.3176
CMYK	0.00, 0.52, 0.27, 0.06
HSL	331°, 81%, 69%
HSV	331°, 52%, 94%
XYZ	49.5925, 33.6159, 43.9191
YIQ	158.5140, 55.8360, 45.3720

# Conversions

## Conversions Part 2

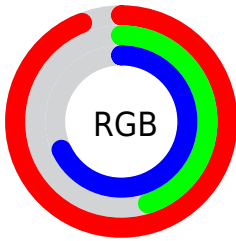
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 114, 174
Decimal	15757998
CIE Lab	64.66, 54.87, -8.71
CIE LCh	65, 55.557, 350.980
Yxy	33.6159, 0.3901, 0.2644
Android (android.graphics.Color)	4293948078 (0xFFFF072AE)
YUV	158.5140, 7.6346, 71.4632
Hunter-Lab	57.9792, 51.2163, -4.3266

# Details

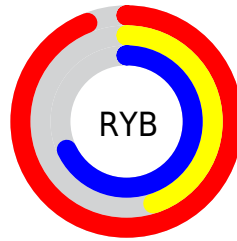
The XYZ color **49.5925, 33.6159, 43.9191** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **46.3395, 69.1939, 54.0970**, and the grayscale version is **32.6826, 34.3847, 37.4449**.

A 20% lighter version of the original color is **69.7576, 55.6666, 81.1968**, and **24.1329, 14.3568, 19.9116** is the 20% darker color. If you saturate the color by 10%, you get **46.0630, 28.4272, 36.9760**, and if you desaturate by 10%, it is **53.9488, 40.2739, 51.7045**.

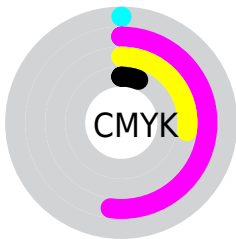
# Distribution



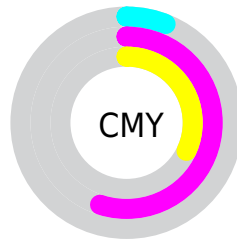
- Red (94%)
- Green (45%)
- Blue (68%)



- Red (94%)
- Yellow (45%)
- Blue (68%)



- Cyan (0%)
- Magenta (52%)
- Yellow (27%)
- Black (6%)




- Cyan (6%)
- Magenta (55%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 49.5925, 33.6159, 43.9191 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 49.5925, 33.6159, 43.9191 by changing the saturation by 10% instead.





 49.5925, 33.6159,  
43.9191

 49.5925, 33.6159,  
43.9191

375.5486,  
318.4160, 378.4097


 35.3062, 22.5987,  
30.2702


 88.7663, 65.3359,  
82.3972

 24.0664, 14.2975,  
19.7900


 114.3844, 86.8075,  
108.0634

 15.5079, 8.3278,  
12.0599


 144.5106,  
112.5327, 138.5725

 9.2653, 4.3054,  
6.6615

179.5100,  
142.8958, 174.3430

 4.9731, 1.8458,  
3.1761

219.7482,  
178.2813, 215.7934

 2.2661, 0.5155,  
1.1852

265.5905,

 0.7772, 0.0000,

219.0736, 263.3423

0.0000

317.4022,  
265.6570, 317.4083

■ 0.0000, 0.0000,  
0.0000

■ 49.5925, 33.6159,  
43.9191

■ 49.5925, 33.6159,  
43.9191

■ 46.0630, 28.4272,  
36.9760

■ 53.9488, 40.2739,  
51.7045

■ 43.2973, 24.5879,  
30.8377

■ 59.1825, 48.4988,  
60.3630

■ 41.2277, 21.9674,  
25.4659

■ 65.3437, 58.3854,  
69.9258

■ 39.7717, 20.4061,  
20.8162

■ 72.4775, 70.0196,  
80.4218

■ 38.9885, 19.7466,  
17.7598

■ 80.6260, 83.4814,  
91.8784

■ 88.8618, 96.9119,  
103.9994

■ 89.7453, 97.2653,  
108.6517

# Harmonies

## Analogous

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



45.3904, 33.6159, 71.7505



49.5925, 33.6159, 43.9191



48.4933, 33.6159, 23.0345

# Triad

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



49.5925, 33.6159, 43.9191



26.7742, 33.6159, 9.0210



23.2448, 33.6159, 82.3587

# Complementary

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



49.5925, 33.6159, 43.9191



46.3395, 69.1939, 54.0970

# 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.



19.6766, 33.6159, 54.6632



49.5925, 33.6159, 43.9191



21.4665, 33.6159, 15.3474

# Square

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



49.5925, 33.6159, 43.9191



34.4129, 33.6159, 8.1226



19.0847, 33.6159, 30.1464



29.6092, 33.6159, 99.2721



# Rectangle

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



49.5925, 33.6159, 43.9191



44.9659, 33.6159, 14.7121



19.0847, 33.6159, 30.1464



21.7260, 33.6159, 73.5670

# Sweetspot

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



49.5935, 33.6176, 43.9197



80.1350, 75.3736, 87.8866



40.3607, 27.9236, 85.7009



16.7883, 15.5392, 18.2770



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.



49.5935, 33.6176, 43.9197



52.6099, 32.2622, 41.9055



45.2307, 32.2559, 19.7638



16.0862, 15.8842, 18.0102



21.4091, 10.8361, 10.0711



1.8310, 0.9214, 1.1009



# Inverse Universe

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



49.5935, 33.6176, 43.9197



52.6099, 32.2622, 41.9055



53.2142, 70.9603, 93.3304



16.0862, 15.8842, 18.0102



21.4091, 10.8361, 10.0711



1.8310, 0.9214, 1.1009



# Previews

## White Background



This preview shows how the XYZ color 49.5925, 33.6159, 43.9191 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

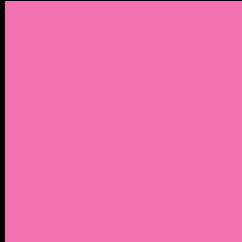
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 49.5925, 33.6159, 43.9191 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 49.5925, 33.6159, 43.9191**

## **Background**



This preview shows how black text looks on a background with the XYZ color 49.5925, 33.6159, 43.9191.



This preview shows how white text looks on a background with the XYZ color 49.5925, 33.6159,



# 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

49.5925, 33.6159, 43.9191

### Protanopia

34.2262, 34.0609, 60.6476

### Deuteranopia

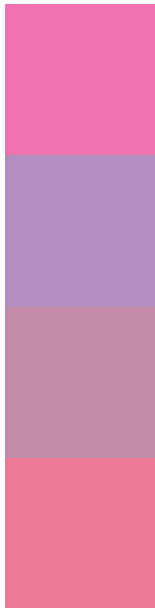
34.6076, 33.9344, 41.7718



## Tritanopia

45.7718, 33.6375, 25.5530

# Trichromacy



## Original Color

49.5925, 33.6159, 43.9191

## Protanomaly

37.8617, 32.5588, 54.1581

## Deuteranomaly

38.7365, 32.8369, 42.3267

## Tritanomaly

46.9080, 33.5441, 31.6061

# Monochromacy



## Original Color

49.5925, 33.6159, 43.9191

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

37.2623, 33.0166, 39.5309

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 49.5925, 33.6159, 43.9191 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(240, 114, 174)` looks like.

```
.text, #text, p{  
    color:rgb(240, 114, 174)  
}
```

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(240, 114, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 114, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 49.5925, 33.6159, 43.9191 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(240, 114, 174) }
```



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

```
.border{ border-color:rgb(240, 114, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 114, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 114, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 114, 174);  
box-shadow:4px 4px 4px 4px rgb(240, 114,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 49.5925, 33.6159, 43.9191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 114, 174) }
```

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

```
.background{ background-color: rgb(240,  
114, 174) }
```

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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