

# Converting Colors

XYZ(45.8043, 32.0149, 49.4946)

Have a look what the booklet for  
XYZ(45.8043, 32.0149, 49.4946)  
contains.

<b>XYZ(45.8587, 32.0727, 49.6726)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(45.8587, 32.0727,  
49.6726)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E075B9
RGB	224, 117, 185
RGB Percent	88%, 46%, 73%
CMY	0.1216, 0.5412, 0.2745
CMYK	0.00, 0.48, 0.17, 0.12
HSL	322°, 63%, 67%
HSV	322°, 48%, 88%
XYZ	45.8587, 32.0727, 49.6726
YIQ	156.7450, 41.9440, 43.8320

# Conversions

## Conversions Part 2

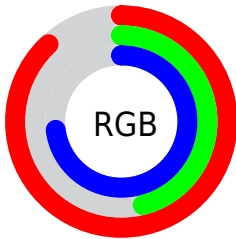
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 117, 185
Decimal	14710201
CIE <sub>Lab</sub>	63.40, 49.91, -17.06
CIE <sub>LCh</sub>	63, 52.743, 341.127
Yxy	32.0727, 0.3594, 0.2513
Android (android.graphics.Color)	4292900281 (0xFFE075B9)
YUV	156.7450, 13.9297, 58.9826
Hunter-Lab	56.6328, 45.4340, -12.3603

# Details

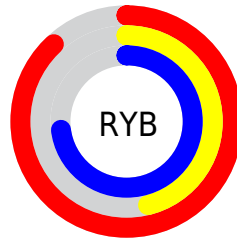
The XYZ color **45.8587, 32.0727, 49.6726** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **39.9940, 59.4944, 40.8308**, and the grayscale version is **31.8606, 33.5198, 36.5031**.

A 20% lighter version of the original color is **71.8697, 57.1159, 90.4556**, and **21.7241, 13.4397, 23.2789** is the 20% darker color. If you saturate the color by 10%, you get **42.7169, 27.1288, 44.4942**, and if you desaturate by 10%, it is **49.6763, 38.2882, 55.3211**.

# Distribution



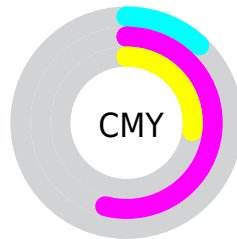
- Red (88%)
- Green (46%)
- Blue (73%)



- Red (88%)
- Yellow (46%)
- Blue (73%)



- Cyan (0%)
- Magenta (48%)
- Yellow (17%)
- Black (12%)




- Cyan (12%)
- Magenta (54%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8587, 32.0727, 49.6726 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 45.8587, 32.0727, 49.6726 by changing the saturation by 10% instead.





 45.8587, 32.0727,  
49.6726


 45.8587, 32.0727,  
49.6726

360.9658,  
311.4503, 402.0826


 32.3385, 21.4170,  
34.7840


 83.2366, 62.9250,  
91.0809

 21.7770, 13.4292,  
23.2143


 107.8251, 83.8905,  
118.4376

 13.8088, 7.7247,  
14.5450


 136.8337,  
109.0614, 150.7875

 8.0686, 3.9193,  
8.3576

170.6277,  
138.8220, 188.5490

 4.1911, 1.6285,  
4.2336

209.5726,  
173.5568, 232.1408

 1.8108, 0.3767,  
1.7544

254.0336,

 0.5242, 0.0000,

213.6502, 281.9812

0.3976

304.3762,  
259.4866, 338.4890

■ 0.0000, 0.0000,  
0.0000

■ 45.8587, 32.0727,  
49.6726

■ 45.8587, 32.0727,  
49.6726

■ 42.7169, 27.1288,  
44.4942

■ 49.6763, 38.2882,  
55.3211

■ 40.2019, 23.3610,  
39.7646

■ 54.2084, 45.8525,  
61.4557

■ 38.2625, 20.6678,  
35.4629


■ 59.4941, 54.8422,  
68.0936


■ 36.8374, 18.9282,  
31.5644


■ 65.5687, 65.3268,  
75.2503


■ 35.8425, 17.9751,  
28.0367


■ 72.4652, 77.3710,  
82.9406

 35.6496, 17.8109,  
27.2887

 80.2148, 91.0360,  
91.1784

 82.5509, 93.7875,  
97.8784

 83.8062, 94.2896,  
104.4883

 84.5506, 94.5874,  
108.4086

# Harmonies

## Analogous

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



40.7249, 32.0727, 75.0010



45.8587, 32.0727, 49.6726



46.5088, 32.0727, 27.6975

# Triad

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



45.8587, 32.0727, 49.6726



27.8446, 32.0727, 8.4029



21.0529, 32.0727, 68.7638

# Complementary

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



45.8587, 32.0727, 49.6726



39.9940, 59.4944, 40.8308

# 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.



18.6414, 32.0727, 43.3041



45.8587, 32.0727, 49.6726



22.1225, 32.0727, 12.4883

# Square

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



45.8587, 32.0727, 49.6726



35.2740, 32.0727, 8.9608



18.9987, 32.0727, 23.4250



26.1488, 32.0727, 88.7281



# Rectangle

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



45.8587, 32.0727, 49.6726



44.2097, 32.0727, 17.9368



18.9987, 32.0727, 23.4250



19.9415, 32.0727, 60.2170

# Sweetspot

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



45.8597, 32.0742, 49.6732



82.6750, 78.4898, 94.7869



33.2297, 25.0206, 73.5994



17.3290, 16.1689, 19.8497



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.



45.8597, 32.0742, 49.6732



57.4412, 36.6017, 59.9265



41.3401, 30.2664, 25.8735



14.0720, 13.8464, 16.1491



20.8076, 10.3900, 16.1843



1.4848, 0.7372, 1.3459



# Inverse Universe

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



45.8597, 32.0742, 49.6732



57.4412, 36.6017, 59.9265



45.3719, 61.6456, 69.1506



14.0720, 13.8464, 16.1491



20.8076, 10.3900, 16.1843



1.4848, 0.7372, 1.3459



# Previews

## White Background



This preview shows how the XYZ color 45.8587, 32.0727, 49.6726 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

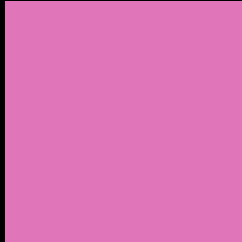
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.8587, 32.0727, 49.6726 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

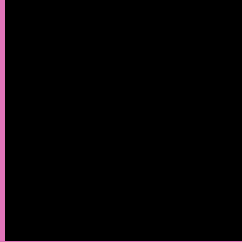
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8587, 32.0727, 49.6726**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8587, 32.0727, 49.6726.



This preview shows how white text looks on a background with the XYZ color 45.8587, 32.0727,



# 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

45.8587, 32.0727, 49.6726

### Protanopia

33.1776, 32.4280, 65.4833

### Deuteranopia

32.9477, 32.2355, 47.1334



## Tritanopia

41.2467, 32.0164, 27.2984

# Trichromacy



## Original Color

45.8587, 32.0727, 49.6726



## Protanomaly

36.1374, 31.1173, 59.3599



## Deuteranomaly

36.4850, 31.3369, 47.8417



## Tritanomaly

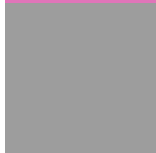
42.7345, 31.8712, 34.4712

# Monochromacy



## Original Color

45.8587, 32.0727, 49.6726



## Achromatopsia

32.0474, 33.7164, 36.7171



## Achromatomaly

35.7041, 31.9598, 40.8463

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8587, 32.0727, 49.6726 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(224, 117, 185)` looks like.

```
.text, #text, p{  
    color:rgb(224, 117, 185)  
}
```

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(224, 117, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 117, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8587, 32.0727, 49.6726 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(224, 117, 185) }
```



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

```
.border{ border-color:rgb(224, 117, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 117, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 117, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 117, 185);  
box-shadow:4px 4px 4px 4px rgb(224, 117,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8587, 32.0727, 49.6726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 117, 185) }
```

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

```
.background{ background-color: rgb(224,  
117, 185) }
```

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