

# Converting Colors

XYZ(45.5060, 32.9521, 48.4189)

Have a look what the booklet for  
XYZ(45.5060, 32.9521, 48.4189)  
contains.

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# Color

**XYZ(45.3452, 32.9155,  
48.2193)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DD7BB6
RGB	221, 123, 182
RGB Percent	87%, 48%, 71%
CMY	0.1333, 0.5176, 0.2863
CMYK	0.00, 0.44, 0.18, 0.13
HSL	324°, 59%, 67%
HSV	324°, 44%, 87%
XYZ	45.3452, 32.9155, 48.2193
YIQ	159.0280, 39.4690, 39.1250

# Conversions

## Conversions Part 2

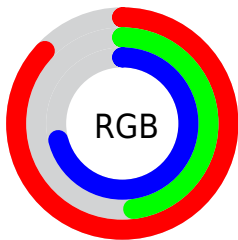
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	221, 123, 182
Decimal	14515126
CIE Lab	64.09, 45.47, -14.36
CIE LCh	64, 47.678, 342.476
Yxy	32.9155, 0.3585, 0.2602
Android (android.graphics.Color)	4292705206 (0xFFDD7BB6)
YUV	159.0280, 11.3252, 54.3494
Hunter-Lab	57.3720, 40.6802, -9.6709

# Details

The XYZ color **45.3452, 32.9155, 48.2193** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.5479, 58.5334, 43.3461**, and the grayscale version is **32.9057, 34.6193, 37.7005**.

A 20% lighter version of the original color is **72.5930, 59.2738, 88.5038**, and **21.4624, 13.8578, 22.3125** is the 20% darker color. If you saturate the color by 10%, you get **42.0262, 27.6864, 42.7684**, and if you desaturate by 10%, it is **49.3421, 39.4081, 54.1785**.

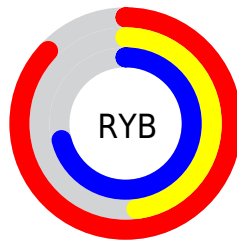
# Distribution



Red (87%)

Green (48%)

Blue (71%)



Red (87%)

Yellow (48%)

Blue (71%)

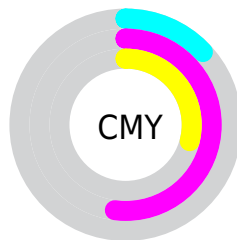


Cyan (0%)

Magenta (44%)

Yellow (18%)

Black (13%)



Cyan (13%)

Magenta (52%)


Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3452, 32.9155, 48.2193 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 45.3452, 32.9155, 48.2193 by changing the saturation by 10% instead.




 45.3452, 32.9155,  
48.2193


 45.3452, 32.9155,  
48.2193

358.9301,  
315.2688, 396.1945


 31.9318, 22.0617,  
33.6394


 82.4721, 64.2436,  
88.8998

 21.4647, 13.9023,  
22.3416

 106.9163, 85.4867,  
115.8374

 13.5785, 8.0527,  
13.9074


 135.7682,  
110.9617, 147.7313

 7.9078, 4.1287,  
7.9183

169.3931,  
141.0529, 185.0001

 4.0873, 1.7458,  
3.9557

208.1564,  
176.1449, 228.0623

 1.7517, 0.4531,  
1.6011

252.4234,

 0.4883, 0.0000,

216.6219, 277.3363

0.2916

302.5595,  
262.8684, 333.2409

■ 0.0000, 0.0000,  
0.0000

■ 45.3452, 32.9155,  
48.2193

■ 45.3452, 32.9155,  
48.2193

■ 42.0262, 27.6864,  
42.7684

■ 49.3421, 39.4081,  
54.1785

■ 39.3389, 23.6314,  
37.8043

■ 54.0530, 47.2363,  
60.6621

■ 37.2357, 20.6567,  
33.3063


■ 59.5153, 56.4724,  
67.6878

■ 35.6607, 18.6521,  
29.2501


■ 65.7623, 67.1821,  
75.2713


■ 34.5458, 17.4833,  
25.6077

■ 72.8257, 79.4268,  
83.4279

 34.0558, 17.0670,  
23.7066

 80.5415, 92.8772,  
92.1074

 81.8425, 93.3977,  
98.9586

 83.2073, 93.9436,  
106.1452

 83.6289, 94.1122,  
108.3655

# Harmonies

## Analogous

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



40.8801, 32.9155, 70.7838



45.3452, 32.9155, 48.2193



45.7246, 32.9155, 28.4028

# Triad

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



45.3452, 32.9155, 48.2193



28.5676, 32.9155, 10.4393



22.6656, 32.9155, 67.2070

# Complementary

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



45.3452, 32.9155, 48.2193



40.5479, 58.5334, 43.3461

# 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.



20.2590, 32.9155, 44.4724



45.3452, 32.9155, 48.2193



23.3230, 32.9155, 14.8399

# Square

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



45.3452, 32.9155, 48.2193



35.3526, 32.9155, 10.8156



20.4810, 32.9155, 25.7835



27.5423, 32.9155, 84.1739



# Rectangle

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



45.3452, 32.9155, 48.2193



43.5438, 32.9155, 19.3733



20.4810, 32.9155, 25.7835



21.5747, 32.9155, 59.6964

# Sweetspot

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



45.3462, 32.9171, 48.2200



83.3195, 79.8221, 94.8683



34.7464, 26.9204, 71.7717



17.4479, 16.4279, 19.8243



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.



45.3462, 32.9171, 48.2200



58.5062, 38.8840, 59.8116



41.2364, 31.2731, 26.5779



13.3835, 13.1825, 15.2809



19.8407, 9.9373, 14.0733



1.3274, 0.6606, 1.1333



# Inverse Universe

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



45.3462, 32.9171, 48.2200



58.5062, 38.8840, 59.8116



45.6049, 60.5561, 69.9757



13.3835, 13.1825, 15.2809



19.8407, 9.9373, 14.0733



1.3274, 0.6606, 1.1333



# Previews

## White Background



This preview shows how the XYZ color 45.3452, 32.9155, 48.2193 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

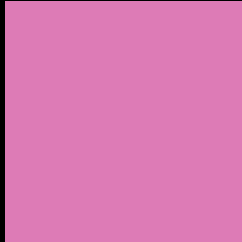
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.3452, 32.9155, 48.2193 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

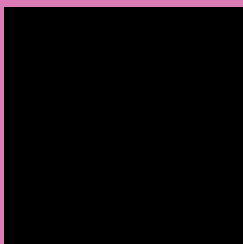
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.3452, 32.9155, 48.2193**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.3452, 32.9155, 48.2193.



This preview shows how white text looks on a background with the XYZ color 45.3452, 32.9155,



# 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

45.3452, 32.9155, 48.2193

### Protanopia

33.6628, 33.2626, 61.1460

### Deuteranopia

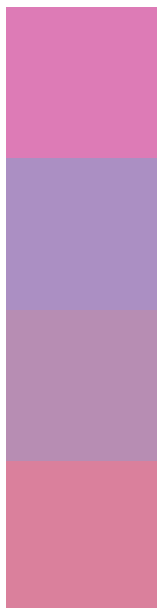
33.8620, 33.2079, 46.2200



## Tritanopia

41.5393, 32.9074, 29.3617

# Trichromacy



## Original Color

45.3452, 32.9155, 48.2193

## Protanomaly

36.4674, 32.2430, 55.9312

## Deuteranomaly

37.1900, 32.3717, 46.9361

## Tritanomaly

42.6334, 32.7441, 35.5257

# Monochromacy



## Original Color

45.3452, 32.9155, 48.2193

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

36.5453, 33.2929, 41.0592

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.3452, 32.9155, 48.2193 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(221, 123, 182)` looks like.

```
.text, #text, p{  
    color:rgb(221, 123, 182)  
}
```

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(221, 123, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 123, 182) }
```

## Border

The CSS property to change the border of an element to XYZ 45.3452, 32.9155, 48.2193 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(221, 123, 182) }
```



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

```
.border{ border-color:rgb(221, 123, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 123, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 123, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 123, 182);  
box-shadow:4px 4px 4px 4px rgb(221, 123,  
182) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.3452, 32.9155, 48.2193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 123, 182) }
```

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

```
.background{ background-color: rgb(221,  
123, 182) }
```

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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