

# Converting Colors

XYZ(44.2892, 32.3964, 45.4585)

Have a look what the booklet for  
XYZ(44.2892, 32.3964, 45.4585)  
contains.

<b>XYZ(44.2322, 32.4003, 45.5176)</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(44.2322, 32.4003,  
45.5176)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DB7BB1
RGB	219, 123, 177
RGB Percent	86%, 48%, 69%
CMY	0.1412, 0.5176, 0.3059
CMYK	0.00, 0.44, 0.19, 0.14
HSL	326°, 57%, 67%
HSV	326°, 44%, 86%
XYZ	44.2322, 32.4003, 45.5176
YIQ	157.8600, 39.8820, 37.1460

# Conversions

## Conversions Part 2

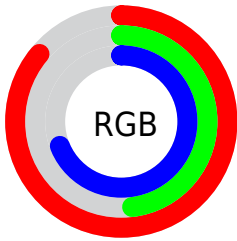
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 123, 177
Decimal	14384049
CIE <sub>Lab</sub>	63.67, 44.05, -12.18
CIE <sub>LCh</sub>	64, 45.706, 344.547
Yxy	32.4003, 0.3621, 0.2652
Android (android.graphics.Color)	4292574129 (0xFFDB7BB1)
YUV	157.8600, 9.4360, 53.6198
Hunter-Lab	56.9213, 39.0960, -7.5669

# Details

The XYZ color **44.2322, 32.4003, 45.5176** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **40.2929, 57.5916, 44.5925**, and the grayscale version is **32.3828, 34.0693, 37.1014**.

A 20% lighter version of the original color is **71.6701, 58.5875, 84.6219**, and **20.7916, 13.6431, 20.6063** is the 20% darker color. If you saturate the color by 10%, you get **40.8914, 27.1936, 39.8564**, and if you desaturate by 10%, it is **48.2496, 38.8522, 51.7359**.

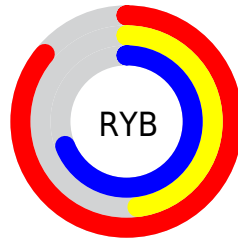
# Distribution



Red (86%)

Green (48%)

Blue (69%)



Red (86%)

Yellow (48%)

Blue (69%)

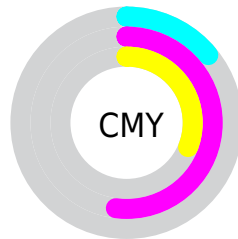


Cyan (0%)

Magenta (44%)

Yellow (19%)

Black (14%)



Cyan (14%)

Magenta (52%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.2322, 32.4003, 45.5176 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 44.2322, 32.4003, 45.5176 by changing the saturation by 10% instead.





 44.2322, 32.4003,  
45.5176

 44.2322, 32.4003,  
45.5176

354.4912,  
312.9387, 385.0869


 31.0518, 21.6674,  
31.5194

 80.8112, 63.4381,  
84.8232

 20.7903, 13.6127,  
20.7329

 104.9405, 84.5118,  
110.9678

 13.0824, 7.8518,  
12.7396


 133.4502,  
109.8013, 141.9982

 7.5627, 4.0003,  
7.1208

166.7056,  
139.6909, 178.3330

 3.8659, 1.6737,  
3.4582

205.0720,  
174.5651, 220.3907

 1.6265, 0.4066,  
1.3331

248.9149,

 0.4096, 0.0000,

214.8082, 268.5899

0.0887

298.5995,  
260.8046, 323.3491

■ 0.0000, 0.0000,  
0.0000

■ 44.2322, 32.4003,  
45.5176

■ 44.2322, 32.4003,  
45.5176

■ 40.8914, 27.1936,  
39.8564

■ 48.2496, 38.8522,  
51.7359

■ 38.1820, 23.1449,  
34.7294

■ 52.9793, 46.6195,  
58.5288

■ 36.0574, 20.1629,  
30.1146


■ 58.4577, 55.7728,  
65.9151


■ 34.4630, 18.1408,  
25.9865

■ 64.7180, 66.3763,  
73.9119


■ 33.3327, 16.9485,  
22.3156


■ 71.7911, 78.4900,  
82.5357

 32.8003, 16.4948,  
20.2542

 79.7064, 92.1706,  
91.8022

 81.3138, 93.1163,  
99.3336

 82.8077, 93.7138,  
107.2004

 83.0236, 93.8002,  
108.3372

# Harmonies

## Analogous

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



40.2514, 32.4003, 66.7963



44.2322, 32.4003, 45.5176



44.2963, 32.4003, 27.1520

# Triad

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



44.2322, 32.4003, 45.5176



27.8092, 32.4003, 10.9920



22.8375, 32.4003, 66.1956

# Complementary

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



44.2322, 32.4003, 45.5176



40.2929, 57.5916, 44.5925

# 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.



20.3612, 32.4003, 44.8832



44.2322, 32.4003, 45.5176



22.9503, 32.4003, 15.6626

# Square

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



44.2322, 32.4003, 45.5176



34.1893, 32.4003, 11.0584



20.3994, 32.4003, 26.7029



27.6341, 32.4003, 81.2686



# Rectangle

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



44.2322, 32.4003, 45.5176



42.0739, 32.4003, 18.8398



20.3994, 32.4003, 26.7029



21.7375, 32.4003, 59.2529

# Sweetspot

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



44.2332, 32.4018, 45.5182



83.1235, 79.7437, 93.8361



35.3046, 27.2387, 70.4151



17.3995, 16.4085, 19.5692



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.



44.2332, 32.4018, 45.5182



57.8873, 38.6364, 56.5530



40.2867, 30.8233, 24.7365



13.3612, 13.1736, 15.1635



19.5048, 9.8030, 12.3044



1.3066, 0.6523, 1.0237



# Inverse Universe

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



44.2332, 32.4018, 45.5182



57.8873, 38.6364, 56.5530



45.4605, 59.6586, 71.8048



13.3612, 13.1736, 15.1635



19.5048, 9.8030, 12.3044



1.3066, 0.6523, 1.0237



# Previews

## White Background



This preview shows how the XYZ color 44.2322, 32.4003, 45.5176 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

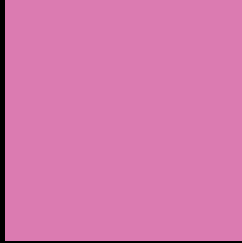
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.2322, 32.4003, 45.5176 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

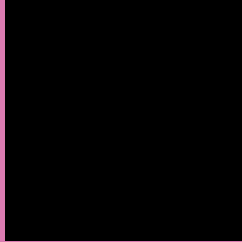
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 44.2322, 32.4003, 45.5176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.2322, 32.4003, 45.5176.



This preview shows how white text looks on a background with the XYZ color 44.2322, 32.4003,



# 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

44.2322, 32.4003, 45.5176

### Protanopia

32.7970, 32.6533, 57.3975

### Deuteranopia

33.2109, 32.6888, 43.5889



## Tritanopia

40.7406, 32.3058, 28.8993

# Trichromacy



## Original Color

44.2322, 32.4003, 45.5176



## Protanomaly

35.7619, 31.7216, 52.9532



## Deuteranomaly

36.4563, 32.0508, 44.3094



## Tritanomaly

41.6580, 32.0776, 34.1330

# Monochromacy



## Original Color

44.2322, 32.4003, 45.5176



## Achromatopsia

32.4990, 34.1914, 37.2345



## Achromatomaly

35.7393, 32.6707, 40.0197

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.2322, 32.4003, 45.5176 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(219, 123, 177)` looks like.

```
.text, #text, p{  
    color:rgb(219, 123, 177)  
}
```

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(219, 123, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 123, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 44.2322, 32.4003, 45.5176 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(219, 123, 177) }
```



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

```
.border{ border-color:rgb(219, 123, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 123, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 123, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 123, 177);  
box-shadow:4px 4px 4px 4px rgb(219, 123,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.2322, 32.4003, 45.5176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 123, 177) }
```

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

```
.background{ background-color: rgb(219,  
123, 177) }
```

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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