

# Converting Colors

XYZ(55.3033, 45.2546, 77.4380)

Have a look what the booklet for  
XYZ(55.3033, 45.2546, 77.4380)  
contains.

<b>XYZ(55.3390, 45.3473, 77.7877)</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(55.3390, 45.3473,  
77.7877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB9FE2
RGB	219, 159, 226
RGB Percent	86%, 62%, 89%
CMY	0.1412, 0.3765, 0.1137
CMYK	0.03, 0.30, 0.00, 0.11
HSL	294°, 54%, 75%
HSV	294°, 30%, 89%
XYZ	55.3390, 45.3473, 77.7877
YIQ	184.5780, 14.2530, 33.5570

# Conversions

## Conversions Part 2

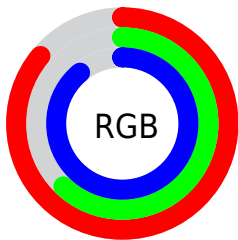
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	219, 159, 226
Decimal	14393314
CIE Lab	73.12, 33.37, -25.14
CIE LCh	73, 41.780, 323.013
Yxy	45.3473, 0.3101, 0.2541
Android (android.graphics.Color)	4292583394 (0xFFDB9FE2)
YUV	184.5780, 20.4210, 30.1881
Hunter-Lab	67.3404, 28.8420, -21.3501

# Details

The XYZ color **55.3390, 45.3473, 77.7877** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.1818, 65.0040, 42.7579**, and the grayscale version is **45.7658, 48.1492, 52.4345**.

A 20% lighter version of the original color is **83.3366, 76.5731, 104.9955**, and **27.6177, 21.2042, 40.6674** is the 20% darker color. If you saturate the color by 10%, you get **51.0974, 37.9102, 76.5764**, and if you desaturate by 10%, it is **60.3041, 54.2145, 79.2382**.

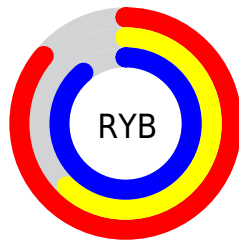
# Distribution



Red (86%)

Green (62%)

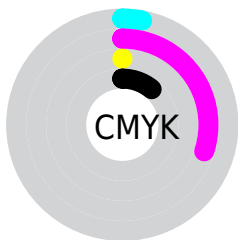
Blue (89%)



Red (86%)

Yellow (62%)

Blue (89%)

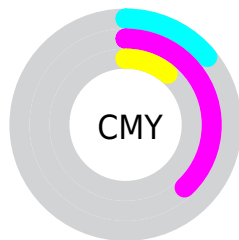


Cyan (3%)

Magenta (30%)

Yellow (0%)

Black (11%)



Cyan (14%)

Magenta (38%)


Yellow (11%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.3390, 45.3473, 77.7877 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 55.3390, 45.3473, 77.7877 by changing the saturation by 10% instead.





 55.3390, 45.3473,  
77.7877


 55.3390, 45.3473,  
77.7877

397.3112,  
368.1783, 506.9543

 39.9081, 31.7311,  
57.3842


 97.1829, 83.2413,  
132.0339

 27.6508, 21.1562,  
40.9024

 124.3266,  
108.2879, 166.7138

 18.2017, 13.2382,  
27.9237


156.1053,  
137.9134, 206.9894

 11.1955, 7.5928,  
18.0296

192.8844,  
172.5022, 253.2795

 6.2667, 3.8355,  
10.8016

235.0292,  
212.4387, 306.0024

 3.0501, 1.5820,  
5.8211

282.9050,

 1.1803, 0.3454,

258.1073, 365.5769

2.6696

336.8772,  
309.8924, 432.4213

■ 0.0908, 0.0000,  
0.9280

■ 0.0000, 0.0000,  
0.0000

■ 55.3390, 45.3473,  
77.7877

■ 55.3390, 45.3473,  
77.7877

■ 51.0974, 37.9102,  
76.5764

■ 60.3041, 54.2145,  
79.2382

■ 47.5361, 31.8198,  
75.5886

■ 66.0241, 64.5775,  
80.9370

■ 44.6140, 26.9931,  
74.8109

■ 72.5340, 76.5051,  
82.8962

■ 42.2839, 23.3355,  
74.2277

■ 79.8652, 90.0601,  
85.1262

40.4917, 20.7390,  
73.8210

82.3804, 93.9679,  
85.7479

39.1734, 19.0757,  
73.5695

83.1468, 94.3630,  
85.7837

38.2219, 18.1313,  
73.4373

83.9236, 94.7634,  
85.8201

38.1903, 18.1020,  
73.4333

84.7107, 95.1692,  
85.8569

85.5082, 95.5804,  
85.8942

# Harmonies

## Analogous

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



48.8363, 45.3473, 96.4988



55.3390, 45.3473, 77.7877



58.6215, 45.3473, 54.4388

# Triad

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



55.3390, 45.3473, 77.7877



44.8347, 45.3473, 19.2166



31.4095, 45.3473, 66.8544

# Complementary

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



55.3390, 45.3473, 77.7877



49.1818, 65.0040, 42.7579

# 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.



30.5949, 45.3473, 44.6363



55.3390, 45.3473, 77.7877



37.8337, 45.3473, 20.8079

# Square

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



55.3390, 45.3473, 77.7877



52.1281, 45.3473, 23.6851



32.8154, 45.3473, 28.8915



35.1817, 45.3473, 89.0410



# Rectangle

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



55.3390, 45.3473, 77.7877



58.3069, 45.3473, 40.8502



32.8154, 45.3473, 28.8915



30.7996, 45.3473, 59.0113

# Sweetspot

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



55.3404, 45.3493, 77.7887



87.2841, 85.7695, 106.5625



41.8126, 40.4343, 77.5530



18.4310, 17.9002, 22.7336



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.



55.3404, 45.3493, 77.7887



68.9819, 52.9717, 101.1966



54.2259, 45.1519, 60.6964



14.1466, 13.8591, 17.3172



21.8472, 10.3580, 41.8962



1.5555, 0.7392, 2.9059



# Inverse Universe

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



50.6466, 43.7201, 41.8478



61.8953, 50.5345, 45.9209



50.2195, 65.2542, 55.6741



13.7651, 13.7237, 14.5334



18.0055, 9.2692, 1.4289



1.2680, 0.6505, 0.2041



# Previews

## White Background



This preview shows how the XYZ color 55.3390, 45.3473, 77.7877 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

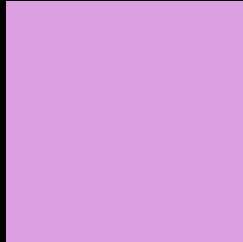
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.3390, 45.3473, 77.7877 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

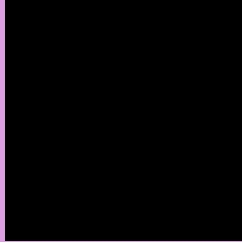
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 55.3390, 45.3473, 77.7877**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.3390, 45.3473, 77.7877.



This preview shows how white text looks on a background with the XYZ color 55.3390, 45.3473,



# 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

55.3390, 45.3473, 77.7877

### Protanopia

46.7528, 45.9186, 88.8371

### Deuteranopia

46.5238, 45.4923, 76.1409



## Tritanopia

49.7837, 45.4876, 49.8722

# Trichromacy



## Original Color

55.3390, 45.3473, 77.7877



## Protanomaly

49.0867, 45.1913, 84.7329



## Deuteranomaly

49.3151, 45.2076, 76.6478



## Tritanomaly

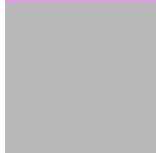
51.5575, 45.3886, 58.8668

# Monochromacy



## Original Color

55.3390, 45.3473, 77.7877



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

48.9766, 47.0911, 61.1517

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.3390, 45.3473, 77.7877 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, 159, 226)` looks like.

```
.text, #text, p{  
    color:rgb(219, 159, 226)  
}
```

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, 159, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 159, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 55.3390, 45.3473, 77.7877 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".

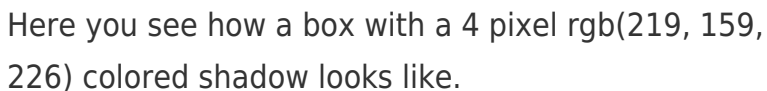
```
.border, #border, table{ border:4px solid rgb(219, 159, 226) }
```



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

```
.border{ border-color:rgb(219, 159, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(219, 159, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 159, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 159, 226); box-shadow:4px 4px 4px 4px rgb(219, 159, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.3390, 45.3473, 77.7877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 159, 226) }
```

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

```
.background{ background-color: rgb(219,  
159, 226) }
```

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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