

# Converting Colors

XYZ(45.6384, 45.0034, 59.7520)

Have a look what the booklet for  
XYZ(45.6384, 45.0034, 59.7520)  
contains.

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# Color

**XYZ(45.7727, 45.1763,  
59.7335)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAAFC6
RGB	186, 175, 198
RGB Percent	73%, 69%, 78%
CMY	0.2706, 0.3137, 0.2235
CMYK	0.06, 0.12, 0.00, 0.22
HSL	269°, 17%, 73%
HSV	269°, 12%, 78%
XYZ	45.7727, 45.1763, 59.7335
YIQ	180.9110, -0.8270, 9.4850

# Conversions

## Conversions Part 2

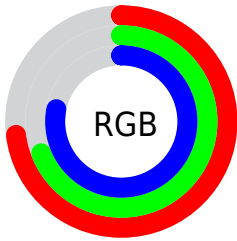
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	186, 175, 198
Decimal	12234694
CIE Lab	73.01, 8.26, -10.26
CIE LCh	73, 13.175, 308.831
Yxy	45.1763, 0.3038, 0.2998
Android (android.graphics.Color)	4290424774 (0xFFBAAFC6)
YUV	180.9110, 8.4249, 4.4631
Hunter-Lab	67.2133, 3.9363, -5.6426

# Details

The XYZ color **45.7727, 45.1763, 59.7335** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.4272, 54.0493, 48.4399**, and the grayscale version is **43.8303, 46.1129, 50.2169**.

A 20% lighter version of the original color is **83.2439, 83.2491, 106.2890**, and **21.7899, 21.1661, 29.3226** is the 20% darker color. If you saturate the color by 10%, you get **39.7784, 36.7797, 58.4294**, and if you desaturate by 10%, it is **52.5162, 54.8005, 61.2364**.

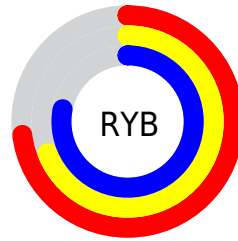
# Distribution



Red (73%)

Green (69%)

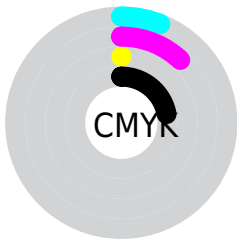
Blue (78%)



Red (73%)

Yellow (69%)

Blue (78%)

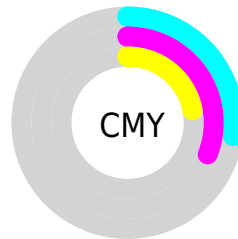


Cyan (6%)

Magenta (12%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (31%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7727, 45.1763, 59.7335 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 45.7727, 45.1763, 59.7335 by changing the saturation by 10% instead.



■ 45.7727, 45.1763,  
59.7335

■ 45.7727, 45.1763,  
59.7335

360.6253,  
367.4871, 441.3921

■ 32.2704, 31.5963,  
42.7800

■ 83.1087, 82.9849,  
105.9826

■ 21.7246, 21.0533,  
29.3824

107.6730,  
107.9823, 136.1152

■ 13.7702, 13.1630,  
19.1222

136.6554,  
137.5543, 171.4779

■ 8.0416, 7.5409,  
11.5809

170.4212,  
172.0853, 212.4893

■ 4.1736, 3.8026,  
6.3399

209.3357,  
211.9597, 259.5678

■ 1.8008, 1.5638,  
2.9808

253.7643,

■ 0.5182, 0.3330,

257.5619, 313.1321

1.0848

304.0724,  
309.2762, 373.6007

■ 0.0000, 0.0000,  
0.0000

■ 45.7727, 45.1763,  
59.7335

■ 45.7727, 45.1763,  
59.7335

■ 39.7784, 36.7797,  
58.4294

■ 52.5162, 54.8005,  
61.2364

■ 34.5011, 29.5538,  
57.3128

■ 60.0317, 65.6942,  
62.9430

■ 29.9117, 23.4461,  
56.3758

■ 68.3457, 77.9049,  
64.8617

■ 25.9779, 18.3975,  
55.6087

■ 77.4823, 91.4754,  
66.9995

■ 22.6641, 14.3432,  
55.0008

■ 81.0991, 93.7157,  
67.2413

■ 19.9309, 11.2113,  
54.5403

■ 84.6618, 95.5523,  
67.4081

■ 17.7340, 8.9195,  
54.2137

■ 87.1932, 96.8573,  
67.5265

■ 16.0209, 7.3701,  
54.0049

■ 14.8796, 6.4932,  
53.8958

# Harmonies

## Analogous

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



43.6215, 45.1763, 62.8006



45.7727, 45.1763, 59.7335



47.1975, 45.1763, 53.9078

# Triad

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



45.7727, 45.1763, 59.7335



44.5561, 45.1763, 38.2955



38.7140, 45.1763, 51.1601

# Complementary

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



45.7727, 45.1763, 59.7335



48.4272, 54.0493, 48.4399

# 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.



38.9442, 45.1763, 44.7545



45.7727, 45.1763, 59.7335



42.2631, 45.1763, 37.7022

# Square

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



45.7727, 45.1763, 59.7335



46.4778, 45.1763, 41.6653



40.2242, 45.1763, 39.9653



39.5840, 45.1763, 57.5687



# Rectangle

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



45.7727, 45.1763, 59.7335



47.5152, 45.1763, 49.4482



40.2242, 45.1763, 39.9653



38.6660, 45.1763, 48.9313

# Sweetspot

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



45.7740, 45.1782, 59.7345



91.2045, 94.4666, 108.0346



45.7009, 48.8468, 60.4465



19.3061, 19.9107, 23.0756



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.



45.7740, 45.1782, 59.7345



78.1754, 75.9362, 105.1446



48.6115, 46.6410, 59.8673



10.5311, 10.5321, 13.3953



9.7741, 4.2730, 35.0540



0.5463, 0.2454, 1.6637



# Inverse Universe

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



47.5899, 46.2556, 53.4361



82.0720, 78.2486, 91.6116



45.7854, 52.6874, 48.3163



10.8611, 10.7278, 12.2520



16.7912, 8.4661, 9.3765

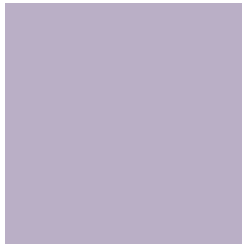


0.8315, 0.4155, 0.6360



# Previews

## White Background



This preview shows how the XYZ color 45.7727, 45.1763, 59.7335 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

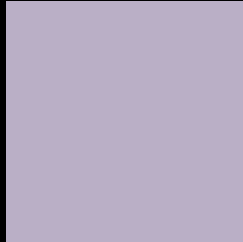
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7727, 45.1763, 59.7335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

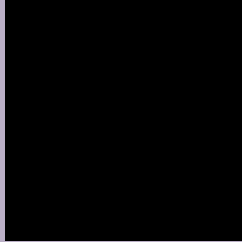
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.7727, 45.1763, 59.7335**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7727, 45.1763, 59.7335.



This preview shows how white text looks on a background with the XYZ color 45.7727, 45.1763,

59.7335.

# 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

45.7727, 45.1763, 59.7335

### Protanopia

44.2502, 45.2410, 61.0437

### Deuteranopia

46.0681, 45.0407, 59.6918



## Tritanopia

44.8272, 45.0827, 55.0544

# Trichromacy



## Original Color

45.7727, 45.1763, 59.7335

## Protanomaly

44.8533, 45.2711, 60.4070

## Deuteranomaly

45.8226, 44.9141, 59.6803

## Tritanomaly

45.1586, 45.2152, 56.7994

# Monochromacy



## Original Color

45.7727, 45.1763, 59.7335

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.6182, 45.8953, 53.5208

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7727, 45.1763, 59.7335 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(186, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(186, 175, 198)  
}
```

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(186, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 175, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7727, 45.1763, 59.7335 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".

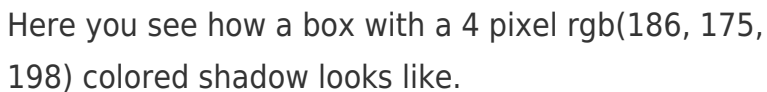
```
.border, #border, table{ border:4px solid rgb(186, 175, 198) }
```



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

```
.border{ border-color:rgb(186, 175, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 175, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 175, 198);  
box-shadow:4px 4px 4px 4px rgb(186, 175,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7727, 45.1763, 59.7335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 175, 198) }
```

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

```
.background{ background-color: rgb(186,  
175, 198) }
```

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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