

# Converting Colors

XYZ(45.2871, 45.9753, 65.5187)

Have a look what the booklet for  
XYZ(45.2871, 45.9753, 65.5187)  
contains.

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# Color

**XYZ(45.2871, 45.9753,  
65.5187)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B0B3CF
RGB	176, 179, 207
RGB Percent	69%, 70%, 81%
CMY	0.3098, 0.2980, 0.1882
CMYK	0.15, 0.14, 0.00, 0.19
HSL	234°, 24%, 75%
HSV	234°, 15%, 81%
XYZ	45.2871, 45.9753, 65.5187
YIQ	181.2950, -10.7760, 8.0720

# Conversions

## Conversions Part 2

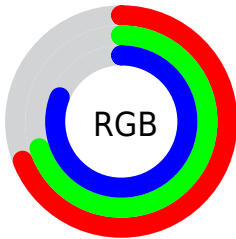
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 179, 207
Decimal	11580367
CIE Lab	73.53, 4.62, -14.49
CIE LCh	74, 15.207, 287.694
Yxy	45.9753, 0.2889, 0.2932
Android (android.graphics.Color)	4289770447 (0xFFB0B3CF)
YUV	181.2950, 12.6726, -4.6437
Hunter-Lab	67.8051, 0.5615, -9.8272

# Details

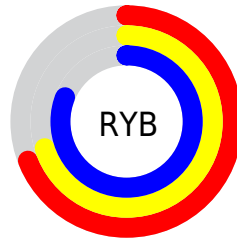
The XYZ color **45.2871, 45.9753, 65.5187** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **55.1618, 59.5856, 49.6692**, and the grayscale version is **44.0195, 46.3119, 50.4337**.

A 20% lighter version of the original color is **81.0370, 83.7925, 106.5102**, and **21.3790, 21.4326, 33.1471** is the 20% darker color. If you saturate the color by 10%, you get **37.4626, 36.7522, 64.1516**, and if you desaturate by 10%, it is **54.3361, 56.5862, 67.0906**.

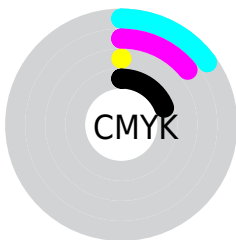
# Distribution



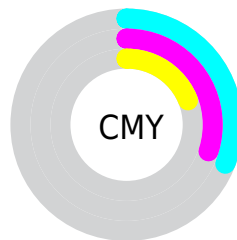
- Red (69%)
- Green (70%)
- Blue (81%)



- Red (69%)
- Yellow (70%)
- Blue (81%)



- Cyan (15%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)



- Cyan (31%)
- Magenta (30%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2871, 45.9753, 65.5187 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 45.2871, 45.9753, 65.5187 by changing the saturation by 10% instead.



■ 45.2871, 45.9753,  
65.5187

■ 45.2871, 45.9753,  
65.5187

358.6992,  
370.7093, 463.0107

■ 31.8859, 32.2263,  
47.4278

■ 82.3855, 84.1820,  
114.4157

■ 21.4295, 21.5344,  
33.0172

106.8133,  
109.4086, 146.0588

■ 13.5525, 13.5152,  
21.8684

135.6475,  
139.2298, 183.0564

■ 7.8897, 7.7843,  
13.5628

169.2532,  
174.0300, 225.8271

■ 4.0757, 3.9572,  
7.6820

207.9959,  
214.1937, 274.7893

■ 1.7450, 1.6497,  
3.8073

252.2409,

■ 0.4842, 0.3907,

260.1052, 330.3616

1.5202

302.3535,  
312.1490, 392.9626

■ 0.0000, 0.0000,  
0.2329

■ 0.0000, 0.0000,  
0.0000

■ 45.2871, 45.9753,  
65.5187

■ 45.2871, 45.9753,  
65.5187

■ 37.4626, 36.7522,  
64.1516

■ 54.3361, 56.5862,  
67.0906

■ 30.8059, 28.8540,  
62.9779

■ 64.6549, 68.6329,  
68.8720

■ 25.2620, 22.2213,  
61.9899

■ 76.2912, 82.1685,  
70.8713

■ 20.7699, 16.7881,  
61.1779

■ 87.8766, 96.5130,  
73.0295

■ 17.2627, 12.4823,  
60.5317

■ 88.2626, 97.2850,  
73.1582

■ 14.6657, 9.2241,  
60.0397

■ 12.8932, 6.9229,  
59.6889

■ 11.8431, 5.4726,  
59.4643

■ 11.5136, 5.0070,  
59.3918

# Harmonies

## Analogous

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



42.6063, 45.9753, 65.9503



45.2871, 45.9753, 65.5187



47.6311, 45.9753, 60.6927

# Triad

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



45.2871, 45.9753, 65.5187



47.2684, 45.9753, 39.8954



38.8427, 45.9753, 46.9716

# Complementary

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



45.2871, 45.9753, 65.5187



55.1618, 59.5856, 49.6692

# 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.



39.9879, 45.9753, 40.7466



45.2871, 45.9753, 65.5187



44.8085, 45.9753, 36.9510

# Square

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



45.2871, 45.9753, 65.5187



48.8068, 45.9753, 45.6960



42.1468, 45.9753, 37.2457



38.9590, 45.9753, 54.6918



# Rectangle

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



45.2871, 45.9753, 65.5187



48.6539, 45.9753, 55.8875



42.1468, 45.9753, 37.2457



39.0909, 45.9753, 44.6511

# Sweetspot

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



45.2885, 45.9772, 65.5197



88.5277, 92.3790, 107.7728



51.1053, 58.2114, 65.6070



18.6941, 19.4752, 23.0238



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.



45.2885, 45.9772, 65.5197



68.3043, 68.6530, 104.2591



47.6265, 46.2990, 65.4586



11.2545, 11.5992, 14.8893



7.2856, 3.2178, 37.4296



0.4396, 0.2445, 2.1036



# Inverse Universe

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



49.3953, 47.5719, 49.2288



76.1445, 71.7418, 73.1483



52.5526, 59.3100, 49.7535



11.8546, 11.8266, 12.5100



16.3082, 8.3961, 1.2630

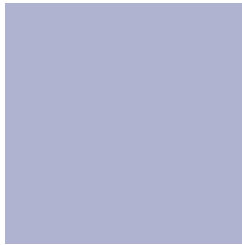


0.9281, 0.4760, 0.1564



# Previews

## White Background



This preview shows how the XYZ color 45.2871, 45.9753, 65.5187 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

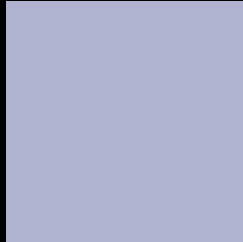
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.2871, 45.9753, 65.5187 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

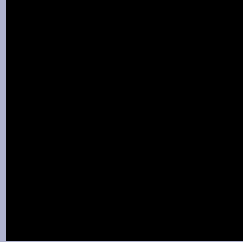
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.2871, 45.9753, 65.5187

## Background



This preview shows how black text looks on a background with the XYZ color 45.2871, 45.9753, 65.5187.



This preview shows how white text looks on a background with the XYZ color 45.2871, 45.9753,



# 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

45.2871, 45.9753, 65.5187

### Protanopia

45.2871, 45.9753, 65.5187

### Deuteranopia

46.9181, 45.9190, 66.0649



## Tritanopia

43.8298, 45.9865, 58.1960

# Trichromacy



## Original Color

45.2871, 45.9753, 65.5187

## Protanomaly

45.2871, 45.9753, 65.5187

## Deuteranomaly

46.3987, 45.9434, 66.0970

## Tritanomaly

44.3093, 45.8800, 60.5532

# Monochromacy



## Original Color

45.2871, 45.9753, 65.5187

## Achromatopsia

43.9204, 46.2077, 50.3202

## Achromatomaly

44.2059, 45.9439, 55.2534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.2871, 45.9753, 65.5187 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(176, 179, 207)` looks like.

```
.text, #text, p{  
    color:rgb(176, 179, 207)  
}
```

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(176, 179, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 179, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 45.2871, 45.9753, 65.5187 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(176, 179, 207) }
```



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

```
.border{ border-color:rgb(176, 179, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 179, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 179, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 179, 207);  
box-shadow:4px 4px 4px 4px rgb(176, 179,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.2871, 45.9753, 65.5187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 179, 207) }
```

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

```
.background{ background-color: rgb(176,  
179, 207) }
```

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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