

# Converting Colors

XYZ(45.6844, 45.6998, 77.2587)

Have a look what the booklet for  
XYZ(45.6844, 45.6998, 77.2587)  
contains.

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# Color

**XYZ(45.5234, 45.5474,  
76.9132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A8B2E0
RGB	168, 178, 224
RGB Percent	66%, 70%, 88%
CMY	0.3412, 0.3019, 0.1216
CMYK	0.25, 0.21, 0.00, 0.12
HSL	229°, 47%, 77%
HSV	229°, 25%, 88%
XYZ	45.5234, 45.5474, 76.9132
YIQ	180.2540, -20.7260, 12.1860

# Conversions

## Conversions Part 2

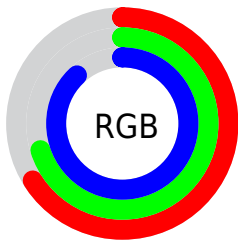
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 176, 224
Decimal	11055840
CIE Lab	73.25, 6.50, -24.24
CIE LCh	73, 25.095, 285.014
Yxy	45.5474, 0.2710, 0.2711
Android (android.graphics.Color)	4289245920 (0xFFA8B2E0)
YUV	180.2540, 21.5668, -10.7468
Hunter-Lab	67.4888, 2.2986, -20.3273

# Details

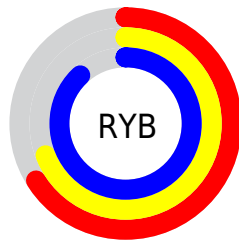
The XYZ color **45.5234, 45.5474, 76.9132** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **61.8556, 66.7681, 46.6746**, and the grayscale version is **43.4157, 45.6767, 49.7419**.

A 20% lighter version of the original color is **78.2133, 81.9129, 106.2962**, and **21.5653, 21.1766, 40.4870** is the 20% darker color. If you saturate the color by 10%, you get **37.7405, 36.4610, 75.5703**, and if you desaturate by 10%, it is **54.6217, 56.0430, 78.4603**.

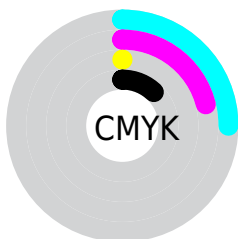
# Distribution



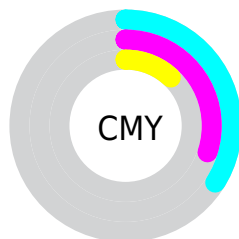
- Red (66%)
- Green (70%)
- Blue (88%)



- Red (66%)
- Yellow (69%)
- Blue (88%)



- Cyan (25%)
- Magenta (21%)
- Yellow (0%)
- Black (12%)



- Cyan (34%)
- Magenta (30%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5234, 45.5474, 76.9132 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 45.5234, 45.5474, 76.9132 by changing the saturation by 10% instead.



■ 45.5234, 45.5474,  
76.9132

■ 45.5234, 45.5474,  
76.9132

359.6374,  
368.9860, 503.8978

■ 32.0729, 31.8888,  
56.6705

■ 82.7375, 83.5412,  
130.7888

■ 21.5730, 21.2766,  
40.3332

107.2319,  
108.6453, 165.2589

■ 13.6583, 13.3263,  
27.4826

136.1382,  
138.3333, 205.3084

■ 7.9635, 7.6536,  
17.7004

169.8219,  
172.9896, 251.3560

■ 4.1232, 3.8741,  
10.5679

208.6483,  
212.9986, 303.8202

■ 1.7721, 1.6034,  
5.6666

252.9828,

■ 0.5008, 0.3599,

258.7448, 363.1196

2.5779

303.1907,  
310.6124, 429.6726

■ 0.0000, 0.0000,  
0.8810

■ 0.0000, 0.0000,  
0.0000

■ 45.5234, 45.5474,  
76.9132

■ 45.5234, 45.5474,  
76.9132

■ 37.7405, 36.4610,  
75.5703

■ 54.6217, 56.0430,  
78.4603

■ 31.2071, 28.7178,  
74.4201

■ 65.0885, 67.9992,  
80.2164

■ 25.8582, 22.2546,  
73.4545

■ 76.9791, 81.4713,  
82.1901

■ 21.6208, 17.0009,  
72.6637

■ 89.3803, 96.0132,  
84.3433

■ 18.4139, 12.8791,  
72.0372

■ 90.4547, 98.1619,  
84.7014

■ 16.1447, 9.8019,  
71.5628

■ 14.7023, 7.6683,  
71.2270

■ 14.2136, 6.8997,  
71.1044

# Harmonies

## Analogous

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



41.1375, 45.5474, 76.9172



45.5234, 45.5474, 76.9132



49.5641, 45.5474, 68.7992

# Triad

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



45.5234, 45.5474, 76.9132



49.5610, 45.5474, 34.3360



35.6125, 45.5474, 43.5801

# Complementary

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



45.5234, 45.5474, 76.9132



61.8556, 66.7681, 46.6746

# 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.



37.5716, 45.5474, 34.3424



45.5234, 45.5474, 76.9132



45.5193, 45.5474, 29.6539

# Square

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



45.5234, 45.5474, 76.9132



52.0006, 45.5474, 43.5698



41.1336, 45.5474, 29.6561



35.6134, 45.5474, 56.1480



# Rectangle

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



45.5234, 45.5474, 76.9132



51.4335, 45.5474, 60.5643



41.1336, 45.5474, 29.6561



36.0575, 45.5474, 40.0344

# Sweetspot

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



45.5249, 45.5492, 76.9142



84.2848, 87.7696, 107.1067



54.9088, 66.4785, 73.3785



17.8512, 18.5707, 22.8936



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.



45.5249, 45.5492, 76.9142



55.4103, 54.5147, 102.2097



47.6434, 43.7942, 76.4638



13.1490, 13.6371, 17.3269



8.3326, 4.1348, 41.4073



0.6368, 0.4050, 2.8898



# Inverse Universe

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



52.7802, 47.0683, 48.4246



66.7925, 57.1131, 57.4669



59.2523, 69.2994, 47.3004



13.8067, 13.7403, 14.7521



18.1461, 9.3255, 2.1693



1.2877, 0.6583, 0.3077



# Previews

## White Background



This preview shows how the XYZ color 45.5234, 45.5474, 76.9132 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 45.5234, 45.5474, 76.9132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

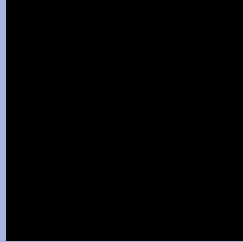
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.5234, 45.5474, 76.9132**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.5234, 45.5474, 76.9132.



This preview shows how white text looks on a background with the XYZ color 45.5234, 45.5474,



# 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

45.5234, 45.5474, 76.9132

### Protanopia

45.7371, 45.6576, 76.9232

### Deuteranopia

46.4354, 45.4312, 76.8427



## Tritanopia

42.1158, 45.6847, 59.4216

# Trichromacy



## Original Color

45.5234, 45.5474, 76.9132

## Protanomaly

45.7371, 45.6576, 76.9232

## Deuteranomaly

46.1899, 45.5968, 76.8876

## Tritanomaly

43.3034, 45.5521, 65.5416

# Monochromacy



## Original Color

45.5234, 45.5474, 76.9132

## Achromatopsia

43.3819, 45.6411, 49.7032

## Achromatomaly

43.9884, 45.4558, 58.6800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5234, 45.5474, 76.9132 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(168, 178, 224)` looks like.

```
.text, #text, p{  
    color:rgb(168, 178, 224)  
}
```

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(168, 178, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 178, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5234, 45.5474, 76.9132 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(168, 178, 224) }
```



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

```
.border{ border-color:rgb(168, 178, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 178, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 178, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 178, 224);  
box-shadow:4px 4px 4px 4px rgb(168, 178,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5234, 45.5474, 76.9132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 178, 224) }
```

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

```
.background{ background-color: rgb(168,  
178, 224) }
```

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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