

# Converting Colors

XYZ(45.5494, 51.3910, 73.7121)

Have a look what the booklet for  
XYZ(45.5494, 51.3910, 73.7121)  
contains.

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# Color

**XYZ(45.5317, 51.3141,  
73.8345)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99C4DA
RGB	153, 196, 218
RGB Percent	60%, 77%, 85%
CMY	0.4000, 0.2314, 0.1451
CMYK	0.30, 0.10, 0.00, 0.15
HSL	200°, 47%, 73%
HSV	200°, 30%, 85%
XYZ	45.5317, 51.3141, 73.8345
YIQ	185.6510, -32.6900, -2.2740

# Conversions

## Conversions Part 2

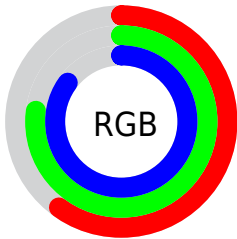
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 179, 218
Decimal	10077402
CIE Lab	76.87, -9.07, -15.59
CIE LCh	77, 18.038, 239.811
Yxy	51.3141, 0.2668, 0.3006
Android (android.graphics.Color)	4288267482 (0xFF99C4DA)
YUV	185.6510, 15.9481, -28.6349
Hunter-Lab	71.6339, -11.9016, -10.9677

# Details

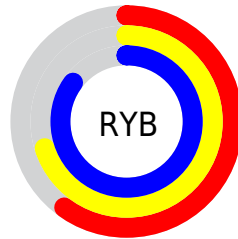
The XYZ color **45.5317, 51.3141, 73.8345** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.9940, 47.8659, 36.7424**, and the grayscale version is **46.4050, 48.8217, 53.1668**.

A 20% lighter version of the original color is **79.4698, 91.0259, 107.9890**, and **21.5394, 24.6997, 38.2826** is the 20% darker color. If you saturate the color by 10%, you get **40.1638, 46.1379, 73.1192**, and if you desaturate by 10%, it is **51.7363, 57.0456, 74.6146**.

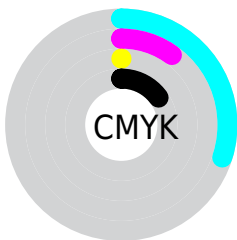
# Distribution



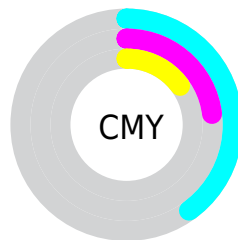
- Red (60%)
- Green (77%)
- Blue (85%)



- Red (60%)
- Yellow (70%)
- Blue (85%)



- Cyan (30%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)



- Cyan (40%)
- Magenta (23%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5317, 51.3141, 73.8345 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 45.5317, 51.3141, 73.8345 by changing the saturation by 10% instead.



■ 45.5317, 51.3141,  
73.8345

■ 45.5317, 51.3141,  
73.8345

359.6703,  
391.7829, 493.0501

■ 32.0795, 36.4586,  
54.1626

■ 82.7499, 92.1189,  
126.3930

■ 21.5781, 24.7886,  
38.3376

■ 107.2466,  
118.8370, 160.1168

■ 13.6621, 15.9196,  
25.9410

136.1554,  
150.2782, 199.3616

■ 7.9661, 9.4673,  
16.5541

169.8419,  
186.8267, 244.5460

■ 4.1249, 5.0472,  
9.7585

208.6712,  
228.8671, 296.0885

■ 1.7730, 2.2750,  
5.1356

253.0088,

■ 0.5013, 0.7604,

276.7836, 354.4076

2.2669

303.2201,  
330.9608, 419.9220

■ 0.0000, 0.0000,  
0.7126

■ 0.0000, 0.0000,  
0.0000

■ 45.5317, 51.3141,  
73.8345

■ 45.5317, 51.3141,  
73.8345

■ 40.1638, 46.1379,  
73.1192

■ 51.7363, 57.0456,  
74.6146

■ 35.5857, 41.4875,  
72.4629

■ 58.8118, 63.3480,  
75.4582

■ 31.7530, 37.3393,  
71.8642

■ 66.7964, 70.2438,  
76.3684

■ 28.6144, 33.6651,  
71.3204

■ 75.7241, 77.7524,  
77.3472

■ 26.1116, 30.4331,  
70.8285

■ 83.0037, 84.5394,  
78.2735

■ 24.1759, 27.6058,  
70.3848

■ 85.1350, 88.8020,  
78.9839

■ 22.6877, 25.1199,  
69.9834

■ 87.3546, 93.2412,  
79.7238

■ 22.6620, 25.0759,  
69.9763

■ 89.6551, 97.8420,  
80.4906

# Harmonies

## Analogous

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



43.2726, 51.3141, 65.7951



45.5317, 51.3141, 73.8345



48.7508, 51.3141, 76.9615

# Triad

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



45.5317, 51.3141, 73.8345



55.6672, 51.3141, 55.9346



45.5676, 51.3141, 41.0380

# Complementary

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



45.5317, 51.3141, 73.8345



49.9940, 47.8659, 36.7424

# 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.



48.7942, 51.3141, 39.0374



45.5317, 51.3141, 73.8345



54.7198, 51.3141, 47.0010

# Square

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



45.5317, 51.3141, 73.8345



54.6963, 51.3141, 65.9153



52.1636, 51.3141, 41.0887



43.2927, 51.3141, 46.9051



# Rectangle

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



45.5317, 51.3141, 73.8345



51.0414, 51.3141, 75.5863



52.1636, 51.3141, 41.0887



46.5719, 51.3141, 39.9239

# Sweetspot

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



45.5333, 51.3161, 73.8357



84.6770, 91.0483, 107.7189



45.9146, 59.9982, 49.5482



17.7872, 19.1925, 23.0170



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

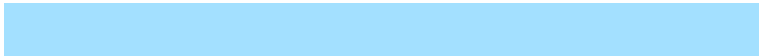


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.5333, 51.3161, 73.8357



59.8326, 68.3023, 104.6379



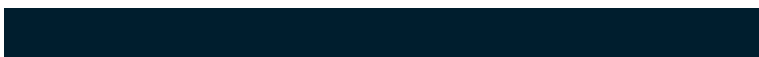
39.0387, 38.3269, 71.6708



13.0544, 14.0486, 16.6758



13.6799, 15.2293, 41.9569



0.9648, 1.1436, 2.7443



# Inverse Universe

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



50.2698, 41.6748, 57.6213



67.8180, 52.9036, 77.1095



57.0175, 61.9128, 39.0836



13.4173, 13.1960, 15.4590



20.4003, 10.1612, 17.0200



1.3613, 0.6741, 1.3113



# Previews

## White Background



This preview shows how the XYZ color 45.5317, 51.3141, 73.8345 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

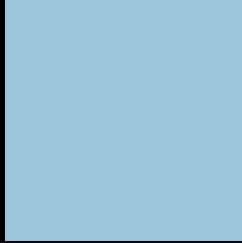
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5317, 51.3141, 73.8345 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 45.5317, 51.3141, 73.8345

## Background



This preview shows how black text looks on a background with the XYZ color 45.5317, 51.3141, 73.8345.



This preview shows how white text looks on a background with the XYZ color 45.5317, 51.3141,



# 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

45.5317, 51.3141, 73.8345

### Protanopia

50.2432, 51.2096, 70.1871

### Deuteranopia

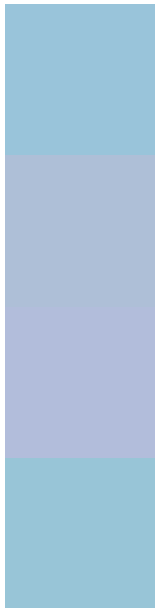
52.2595, 51.2027, 74.8389



## **Tritanopia**

44.9254, 51.4120, 70.5065

# Trichromacy



## Original Color

45.5317, 51.3141, 73.8345

## Protanomaly

48.3521, 51.1666, 71.6177

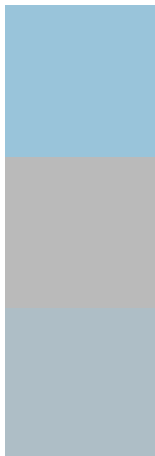
## Deuteranomaly

49.3439, 50.9746, 74.2562

## Tritanomaly

45.1809, 51.5142, 71.8519

# Monochromacy



## Original Color

45.5317, 51.3141, 73.8345

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

46.0621, 49.9028, 60.6306

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5317, 51.3141, 73.8345 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(153, 196, 218)` looks like.

```
.text, #text, p{  
    color:rgb(153, 196, 218)  
}
```

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(153, 196, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 196, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5317, 51.3141, 73.8345 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".

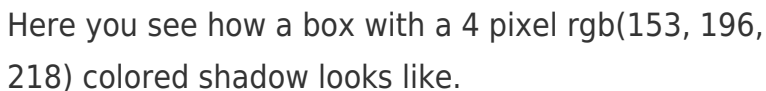
```
.border, #border, table{ border:4px solid rgb(153, 196, 218) }
```



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

```
.border{ border-color:rgb(153, 196, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 196, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 196, 218); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 196, 218); box-shadow:4px 4px 4px 4px rgb(153, 196, 218) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5317, 51.3141, 73.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 196, 218) }
```

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

```
.background{ background-color: rgb(153,  
196, 218) }
```

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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