

# Converting Colors

XYZ(45.4317, 52.5496, 61.7823)

Have a look what the booklet for  
XYZ(45.4317, 52.5496, 61.7823)  
contains.

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# Color

**XYZ(45.4302, 52.5474,  
61.7811)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1C7C7
RGB	161, 199, 199
RGB Percent	63%, 78%, 78%
CMY	0.3686, 0.2196, 0.2196
CMYK	0.19, 0.00, 0.00, 0.22
HSL	180°, 25%, 71%
HSV	180°, 19%, 78%
XYZ	45.4302, 52.5474, 61.7811
YIQ	187.6380, -22.6480, -8.0560

# Conversions

## Conversions Part 2

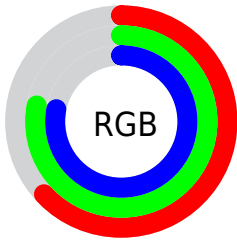
Format	Color
<a href="#">RYB</a>	<a href="#">161, 180, 199</a>
Decimal	<a href="#">10602439</a>
CIELab	<a href="#">77.61, -12.54, -4.18</a>
CIELCh	<a href="#">78, 13.222, 198.447</a>
Yxy	<a href="#">52.5474, 0.2844, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4288792519</a> ( <a href="#">0xFFA1C7C7</a> )
YUV	<a href="#">187.6380, 5.6015, -23.3615</a>
Hunter-Lab	<a href="#">72.4896, -14.9884, 0.2113</a>

# Details

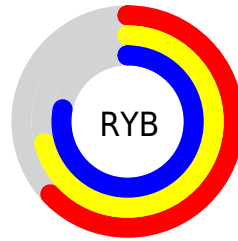
The XYZ color **45.4302, 52.5474, 61.7811** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.7330, 40.2066, 39.2288**, and the grayscale version is **47.5743, 50.0519, 54.5065**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **21.5429, 25.5463, 30.5836** is the 20% darker color. If you saturate the color by 10%, you get **41.7350, 50.6438, 61.6085**, and if you desaturate by 10%, it is **49.7667, 54.7843, 61.9859**.

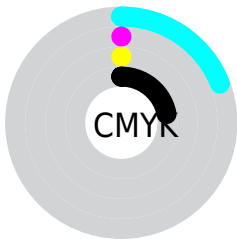
# Distribution



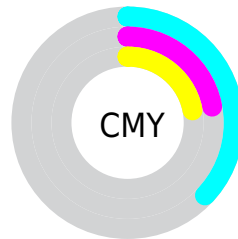
- Red (63%)
- Green (78%)
- Blue (78%)



- Red (63%)
- Yellow (71%)
- Blue (78%)



- Cyan (19%)
- Magenta (0%)
- Yellow (0%)
- Black (22%)




- Cyan (37%)
- Magenta (22%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4302, 52.5474, 61.7811 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 45.4302, 52.5474, 61.7811 by changing the saturation by 10% instead.





 45.4302, 52.5474,  
61.7811


 45.4302, 52.5474,  
61.7811


359.2676,  
396.5463, 449.1178

 31.9991, 37.4416,  
44.4212


 82.5987, 93.9380,  
108.9776

 21.5164, 25.5496,  
30.6622


 107.0668,  
120.9916, 139.6513

 13.6166, 16.4870,  
20.0854


135.9447,  
152.7966, 175.6000

 7.9344, 9.8694,  
12.2725

169.5977,  
189.7374, 217.2423

 4.1044, 5.3125,  
6.8047

208.3911,  
232.1984, 264.9967

 1.7614, 2.4317,  
3.2637

252.6903,

 0.4942, 0.8421,

280.5639, 319.2817

1.2308

302.8607,  
335.2184, 380.5159

■ 0.0000, 0.0000,  
0.0040

■ 0.0000, 0.0000,  
0.0000

■ 45.4302, 52.5474,  
61.7811

■ 45.4302, 52.5474,  
61.7811

■ 41.7350, 50.6438,  
61.6085

■ 49.7667, 54.7843,  
61.9859

■ 38.6464, 49.0517,  
61.4632

■ 54.7681, 57.3626,  
62.2208

■ 36.1335, 47.7562,  
61.3448

■ 60.4624, 60.2981,  
62.4881

■ 34.1605, 46.7391,  
61.2517

■ 66.8745, 63.6036,  
62.7889

■ 32.6880, 45.9800,  
61.1820

■ 71.9741, 66.2325,  
63.0284

■ 31.6710, 45.4557,  
61.1336

■ 71.9742, 66.2326,  
63.0292

■ 31.0565, 45.1390,  
61.1040

■ 71.9744, 66.2327,  
63.0300

■ 30.7546, 44.9834,  
61.0891

■ 71.9745, 66.2327,  
63.0308

■ 30.7321, 44.9718,  
61.0880

■ 71.9747, 66.2328,  
63.0315

# Harmonies

## Analogous

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



45.2869, 52.5474, 54.4448



45.4302, 52.5474, 61.7811



46.7580, 52.5474, 68.3968

# Triad

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



45.4302, 52.5474, 61.7811



53.7100, 52.5474, 67.0590



50.9346, 52.5474, 44.5142

# Complementary

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



45.4302, 52.5474, 61.7811



42.7330, 40.2066, 39.2288

# 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.



53.2730, 52.5474, 47.3239



45.4302, 52.5474, 61.7811



54.9115, 52.5474, 60.0780

# Square

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



45.4302, 52.5474, 61.7811



51.5146, 52.5474, 71.6184



54.7488, 52.5474, 52.8800



48.4071, 52.5474, 44.8854



# Rectangle

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



45.4302, 52.5474, 61.7811



48.1625, 52.5474, 71.3160



54.7488, 52.5474, 52.8800



51.7703, 52.5474, 45.1076

# Sweetspot

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



45.4317, 52.5496, 61.7823



89.6433, 97.2127, 108.6461



41.6840, 51.0652, 41.3789



19.0671, 20.7455, 23.2491



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

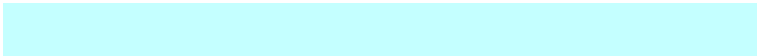


# Same Dimension

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



45.4317, 52.5496, 61.7823



76.6655, 90.5225, 108.0364



41.4577, 44.6011, 60.4590



10.9467, 12.0676, 13.6696



19.7606, 28.9166, 39.2793



0.9357, 1.3692, 1.8599



# Inverse Universe

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



42.7330, 40.2066, 39.2288



71.0631, 64.8996, 61.2174



46.1818, 47.1046, 40.3774



10.6339, 10.6370, 11.0556



15.1453, 7.8077, 0.7091



0.7171, 0.3697, 0.0336



# Previews

## White Background



This preview shows how the XYZ color 45.4302, 52.5474, 61.7811 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

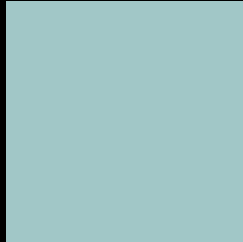
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.4302, 52.5474, 61.7811 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

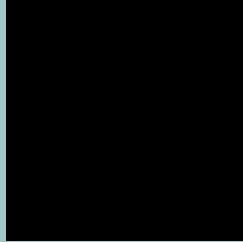
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.4302, 52.5474, 61.7811

## Background



This preview shows how black text looks on a background with the XYZ color 45.4302, 52.5474, 61.7811.



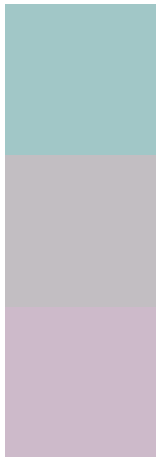
This preview shows how white text looks on a background with the XYZ color 45.4302, 52.5474,



# 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

45.4302, 52.5474, 61.7811

### Protanopia

50.3992, 52.1913, 58.4565

### Deuteranopia

53.3964, 52.3612, 63.1695



## Tritanopia

47.2863, 52.6291, 70.6170

# Trichromacy



## Original Color

45.4302, 52.5474, 61.7811

## Protanomaly

48.3252, 52.0705, 59.7282

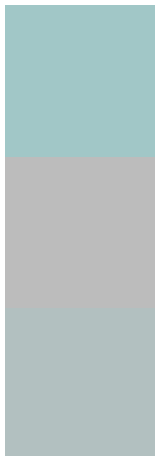
## Deuteranomaly

50.1597, 52.2975, 62.7091

## Tritanomaly

46.6835, 52.7288, 67.3917

# Monochromacy



## Original Color

45.4302, 52.5474, 61.7811

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

46.7242, 50.9700, 57.2447

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.4302, 52.5474, 61.7811 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(161, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(161, 199, 199)  
}
```

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(161, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 199, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 45.4302, 52.5474, 61.7811 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(161, 199, 199) }
```



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

```
.border{ border-color:rgb(161, 199, 199) }
```

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

Here you see how a box with a 4 pixel rgb(161, 199, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 199, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 199, 199);  
box-shadow:4px 4px 4px 4px rgb(161, 199,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.4302, 52.5474, 61.7811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 199, 199) }
```

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

```
.background{ background-color: rgb(161,  
199, 199) }
```

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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