

# Converting Colors

XYZ(45.6053, 59.4137, 67.1974)

Have a look what the booklet for  
XYZ(45.6053, 59.4137, 67.1974)  
contains.

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# Color

**XYZ(45.7277, 59.5046,  
67.4679)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84DACE
RGB	132, 218, 206
RGB Percent	52%, 85%, 81%
CMY	0.4823, 0.1451, 0.1922
CMYK	0.39, 0.00, 0.06, 0.15
HSL	172°, 54%, 69%
HSV	172°, 39%, 85%
XYZ	45.7277, 59.5046, 67.4679
YIQ	190.9180, -47.4040, -21.9640

# Conversions

## Conversions Part 2

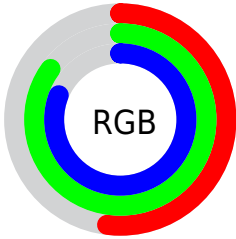
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">132, 178, 218</a>
Decimal	<a href="#">8706766</a>
CIELab	<a href="#">81.57, -28.77, -2.29</a>
CIELCh	<a href="#">82, 28.856, 184.544</a>
Yxy	<a href="#">59.5046, 0.2648, 0.3446</a>
Android (android.graphics.Color)	<a href="#">4286896846 (0xFF84DACE)</a>
YUV	<a href="#">190.9180, 7.4354, -51.6711</a>
Hunter-Lab	<a href="#">77.1392, -29.1798, 2.1409</a>

# Details

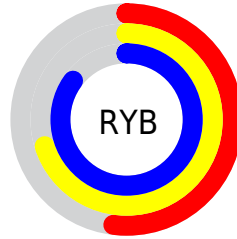
The XYZ color **45.7277, 59.5046, 67.4679** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.2008, 33.4232, 30.6149**, and the grayscale version is **49.4531, 52.0285, 56.6591**.

A 20% lighter version of the original color is **74.7963, 89.5588, 107.9521**, and **21.7452, 29.9979, 34.3498** is the 20% darker color. If you saturate the color by 10%, you get **42.3027, 57.7827, 65.3979**, and if you desaturate by 10%, it is **49.8756, 61.6013, 69.6117**.

# Distribution



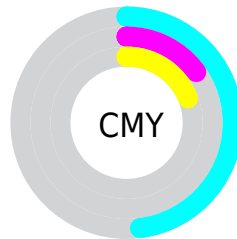
- Red (52%)
- Green (85%)
- Blue (81%)



- Red (52%)
- Yellow (70%)
- Blue (85%)



- Cyan (39%)
- Magenta (0%)
- Yellow (6%)
- Black (15%)



- Cyan (48%)
- Magenta (15%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.7277, 59.5046, 67.4679 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 45.7277, 59.5046, 67.4679 by changing the saturation by 10% instead.





 45.7277, 59.5046,  
67.4679


 45.7277, 59.5046,  
67.4679

360.4471,  
422.7693, 470.1552


 32.2347, 43.0195,  
49.0010


 83.0417, 104.1107,  
117.2376

 21.6973, 29.9004,  
34.2547


 107.5934,  
133.0004, 149.3775

 13.7500, 19.7630,  
22.8104


 136.5621,  
166.7938, 186.9121

 8.0275, 12.2229,  
14.2496

170.3130,  
205.8752, 230.2600

 4.1645, 6.8957,  
8.1537

209.2117,  
250.6291, 279.8397

 1.7956, 3.3969,  
4.1043

253.6233,

 0.5150, 1.3423,

301.4398, 336.0698

1.6827

303.9134,  
358.6918, 399.3688

■ 0.0000, 0.1736,  
0.3489

■ 0.0000, 0.0000,  
0.0000

■ 45.7277, 59.5046,  
67.4679

■ 45.7277, 59.5046,  
67.4679

■ 42.3027, 57.7827,  
65.3979

■ 49.8756, 61.6013,  
69.6117

■ 39.5507, 56.4055,  
63.3952

■ 54.7821, 64.0867,  
71.8273

■ 37.4236, 55.3496,  
61.4587

■ 60.4868, 66.9828,  
74.1179

■ 35.8646, 54.5857,  
59.5856

■ 67.0249, 70.3077,  
76.4856

■ 34.8066, 54.0793,  
57.7724

■ 74.4295, 74.0784,  
78.9320

■ 34.1372, 53.7725,  
56.0137

■ 79.8018, 76.8006,  
81.3216

■ 34.1042, 53.7576,  
55.9180

■ 80.2189, 76.9675,  
83.5179

■ 80.6434, 77.1373,  
85.7533

■ 81.0754, 77.3100,  
88.0280

# Harmonies

## Analogous

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



46.6834, 59.5046, 51.4902



45.7277, 59.5046, 67.4679



47.4997, 59.5046, 85.5949

# Triad

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



45.7277, 59.5046, 67.4679



63.4189, 59.5046, 96.3167



61.7103, 59.5046, 39.1077

# Complementary

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



45.7277, 59.5046, 67.4679



42.2008, 33.4232, 30.6149

# 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.



66.6989, 59.5046, 47.6637



45.7277, 59.5046, 67.4679



67.7337, 59.5046, 80.2038

# Square

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



45.7277, 59.5046, 67.4679



57.4847, 59.5046, 104.0345



68.9746, 59.5046, 62.1847



55.6400, 59.5046, 36.9130



# Rectangle

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



45.7277, 59.5046, 67.4679



50.0693, 59.5046, 95.9207



68.9746, 59.5046, 62.1847



63.5829, 59.5046, 41.2497

# Sweetspot

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



45.7294, 59.5070, 67.4693



83.9945, 94.3793, 104.8333



40.8975, 57.8219, 30.8362



17.7433, 20.0817, 22.3460



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.



45.7294, 59.5070, 67.4693



61.2487, 82.8725, 93.8675



40.1343, 45.8933, 73.0754



13.3626, 14.7967, 16.3725



20.4612, 32.2171, 33.6576



1.3475, 2.0960, 2.2962



# Inverse Universe

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



42.2008, 33.4232, 30.6149



55.5823, 40.8928, 34.6164



46.0183, 42.4492, 27.5990



13.1297, 13.0810, 13.9442



17.4891, 8.9967, 1.6899



1.1573, 0.5926, 0.2373



# Previews

## White Background



This preview shows how the XYZ color 45.7277, 59.5046, 67.4679 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

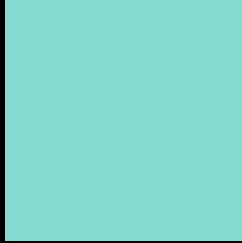
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.7277, 59.5046, 67.4679 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

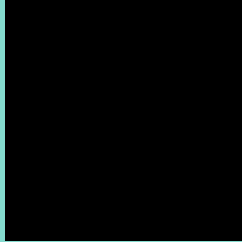
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.7277, 59.5046, 67.4679**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.7277, 59.5046, 67.4679.



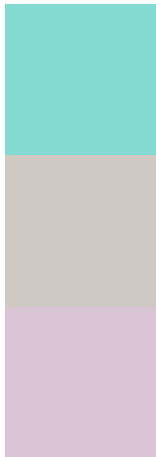
This preview shows how white text looks on a background with the XYZ color 45.7277, 59.5046,



# 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

45.7277, 59.5046, 67.4679

### Protanopia

56.5826, 59.0242, 60.6351

### Deuteranopia

60.1131, 58.9347, 69.8353



## Tritanopia

49.1178, 59.3516, 84.4685

# Trichromacy



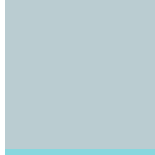
## Original Color

45.7277, 59.5046, 67.4679



## Protanomaly

51.5605, 58.4991, 63.2175



## Deuteranomaly

53.3512, 58.2283, 68.7489



## Tritanomaly

47.6386, 59.1090, 78.0056

# Monochromacy



## Original Color

45.7277, 59.5046, 67.4679



## Achromatopsia

49.5206, 52.0996, 56.7364



## Achromatomaly

47.4280, 54.3049, 60.2067

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.7277, 59.5046, 67.4679 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(132, 218, 206)` looks like.

```
.text, #text, p{  
    color:rgb(132, 218, 206)  
}
```

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(132, 218, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 218, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 45.7277, 59.5046, 67.4679 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(132, 218, 206) }
```



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

```
.border{ border-color:rgb(132, 218, 206) }
```

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

Here you see how a box with a 4 pixel rgb(132, 218, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 218, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 218, 206);  
box-shadow:4px 4px 4px 4px rgb(132, 218,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.7277, 59.5046, 67.4679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 218, 206) }
```

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

```
.background{ background-color: rgb(132,  
218, 206) }
```

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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