

# Converting Colors

XYZ(45.5406, 57.5075, 84.3011)

Have a look what the booklet for  
XYZ(45.5406, 57.5075, 84.3011)  
contains.

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# Color

**XYZ(45.5406, 57.5075,  
84.3011)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73D6E7
RGB	115, 214, 231
RGB Percent	45%, 84%, 91%
CMY	0.5490, 0.1608, 0.0941
CMYK	0.50, 0.07, 0.00, 0.09
HSL	189°, 71%, 68%
HSV	189°, 50%, 91%
XYZ	45.5406, 57.5075, 84.3011
YIQ	186.3370, -64.4610, -15.7010

# Conversions

## Conversions Part 2

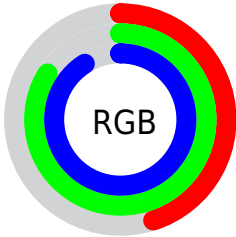
Format	Color
<a href="#">RYB</a>	<a href="#">115, 168, 231</a>
Decimal	<a href="#">7591655</a>
CIELab	<a href="#">80.46, -24.54, -17.33</a>
CIELCh	<a href="#">80, 30.044, 215.229</a>
Yxy	<a href="#">57.5075, 0.2431, 0.3070</a>
Android (android.graphics.Color)	<a href="#">4285781735</a> ( <a href="#">0xFF73D6E7</a> )
YUV	<a href="#">186.3370, 22.0189, -62.5625</a>
Hunter-Lab	<a href="#">75.8337, -25.5139, -12.8266</a>

# Details

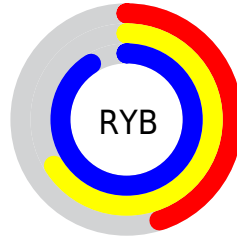
The XYZ color **45.5406, 57.5075, 84.3011** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.3020, 34.7305, 20.5899**, and the grayscale version is **46.7689, 49.2045, 53.5837**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **21.5522, 28.6215, 44.9460** is the 20% darker color. If you saturate the color by 10%, you get **42.0277, 54.4392, 83.8950**, and if you desaturate by 10%, it is **49.8358, 61.0081, 84.7514**.

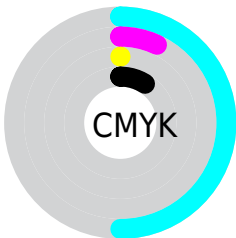
# Distribution



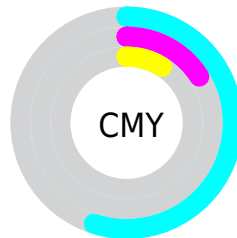
- Red (45%)
- Green (84%)
- Blue (91%)



- Red (45%)
- Yellow (66%)
- Blue (91%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (55%)
- Magenta (16%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5406, 57.5075, 84.3011 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 45.5406, 57.5075, 84.3011 by changing the saturation by 10% instead.



45.5406, 57.5075,  
84.3011

45.5406, 57.5075,  
84.3011

359.7056,  
415.3483, 529.3967

32.0865, 41.4128,  
62.7172

82.7631, 101.2053,  
141.2618

21.5835, 28.6418,  
45.1730

107.2623,  
129.5773, 177.4757

13.6661, 18.8100,  
31.2497

136.1739,  
162.8104, 219.4033

7.9689, 11.5331,  
20.5290

169.8633,  
201.2892, 267.4632

4.1267, 6.4266,  
12.5923

208.6958,  
245.3980, 322.0740

1.7741, 3.1062,  
7.0210

253.0367,

0.5020, 1.1874,

295.5211, 383.6542

3.3966

303.2516,  
352.0431, 452.6222

■ 0.0000, 0.0514,  
1.3005

■ 0.0000, 0.0000,  
0.0622

■ 45.5406, 57.5075,  
84.3011

■ 45.5406, 57.5075,  
84.3011

■ 42.0277, 54.4392,  
83.8950

■ 49.8358, 61.0081,  
84.7514

■ 39.2338, 51.7665,  
83.5264


■ 54.9601, 64.9615,  
85.2444


■ 37.0943, 49.4573,  
83.1935


■ 60.9628, 69.3944,  
85.7837


■ 35.5301, 47.4706,  
82.8924


■ 67.8877, 74.3296,  
86.3713


 34.4245, 45.7706,  
82.6226

 75.7757, 79.7884,  
87.0092

 84.6653, 85.7907,  
87.6992

 86.1509, 88.0035,  
88.0480

 87.1442, 89.9899,  
88.3791

 88.1560, 92.0136,  
88.7164

# Harmonies

## Analogous

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



43.6885, 57.5075, 65.7598



45.5406, 57.5075, 84.3011



49.8435, 57.5075, 98.7575

# Triad

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



45.5406, 57.5075, 84.3011



66.1389, 57.5075, 77.9370



53.5864, 57.5075, 34.5380

# Complementary

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



45.5406, 57.5075, 84.3011



44.3020, 34.7305, 20.5899

# 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.



59.7754, 57.5075, 36.5819



45.5406, 57.5075, 84.3011



67.3279, 57.5075, 59.5738

# Square

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



45.5406, 57.5075, 84.3011



61.7829, 57.5075, 94.6260



64.9202, 57.5075, 45.0102



48.1052, 57.5075, 38.7861



# Rectangle

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



45.5406, 57.5075, 84.3011



53.6796, 57.5075, 102.8848



64.9202, 57.5075, 45.0102



55.6505, 57.5075, 34.5220

# Sweetspot

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



45.5424, 57.5097, 84.3025



80.5889, 89.9292, 107.7183



39.7082, 62.4222, 31.2412



16.8612, 18.9711, 23.0231



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.



45.5424, 57.5097, 84.3025



52.5495, 68.0849, 104.9798



33.6430, 33.7109, 80.3360



14.6180, 15.9574, 18.4540



19.3702, 25.8024, 46.3426



1.4807, 2.0053, 3.4410



# Inverse Universe

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



51.2248, 34.1071, 67.5041



60.6393, 36.6219, 80.6490



54.1339, 54.3944, 23.8673



14.8995, 14.5770, 17.6714



24.1707, 11.8025, 30.8574

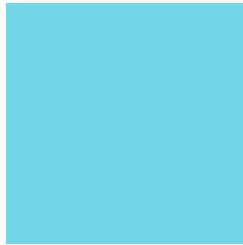


1.8110, 0.8821, 2.4113



# Previews

## White Background



This preview shows how the XYZ color 45.5406, 57.5075, 84.3011 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

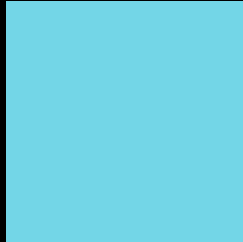
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.5406, 57.5075, 84.3011 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

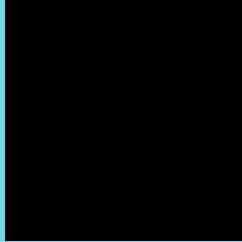
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.5406, 57.5075, 84.3011

## Background



This preview shows how black text looks on a background with the XYZ color 45.5406, 57.5075, 84.3011.



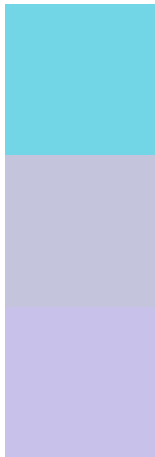
This preview shows how white text looks on a background with the XYZ color 45.5406, 57.5075,



# 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

45.5406, 57.5075, 84.3011

### Protanopia

55.6495, 56.8356, 75.7475

### Deuteranopia

58.1066, 56.8611, 86.5100



## Tritanopia

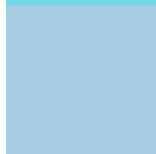
45.5406, 57.5075, 84.3011

# Trichromacy



## Original Color

45.5406, 57.5075, 84.3011



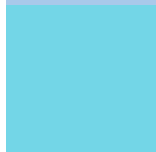
## Protanomaly

50.7468, 56.3092, 78.7151



## Deuteranomaly

52.1001, 56.1488, 85.9337



## Tritanomaly

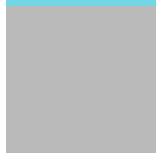
45.5406, 57.5075, 84.3011

# Monochromacy



## Original Color

45.5406, 57.5075, 84.3011



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

44.8978, 51.2177, 63.3968

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.5406, 57.5075, 84.3011 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(115, 214, 231)` looks like.

```
.text, #text, p{  
    color:rgb(115, 214, 231)  
}
```

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(115, 214, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 214, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 45.5406, 57.5075, 84.3011 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(115, 214, 231) }
```



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

```
.border{ border-color:rgb(115, 214, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 214, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 214, 231); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 214, 231); box-shadow:4px 4px 4px 4px rgb(115, 214, 231) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.5406, 57.5075, 84.3011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 214, 231) }
```

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

```
.background{ background-color: rgb(115,  
214, 231) }
```

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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