

# Converting Colors

XYZ(41.0879, 57.3511, 56.4813)

Have a look what the booklet for  
XYZ(41.0879, 57.3511, 56.4813)  
contains.

<b>XYZ(41.0879, 57.3511, 56.4813)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(41.0879, 57.3511,  
56.4813)**

# Conversions

## Conversions Part 1

Format	Color
Hex	72DABC
RGB	114, 218, 188
RGB Percent	45%, 85%, 74%
CMY	0.5529, 0.1451, 0.2627
CMYK	0.48, 0.00, 0.14, 0.15
HSL	163°, 58%, 65%
HSV	163°, 48%, 85%
XYZ	41.0879, 57.3511, 56.4813
YIQ	183.4840, -52.3540, -31.3780

# Conversions

## Conversions Part 2

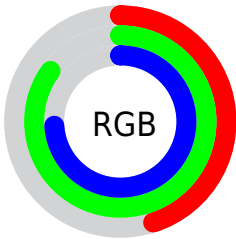
Format	Color
<a href="#">RYB</a>	<a href="#">114, 175, 218</a>
Decimal	<a href="#">7527100</a>
CIELab	<a href="#">80.38, -37.36, 5.47</a>
CIELCh	<a href="#">80, 37.754, 171.672</a>
Yxy	<a href="#">57.3511, 0.2652, 0.3702</a>
Android (android.graphics.Color)	<a href="#">4285717180</a> ( <a href="#">0xFF72DABC</a> )
YUV	<a href="#">183.4840, 2.2264, -60.9375</a>
Hunter-Lab	<a href="#">75.7305, -35.6825, 8.7917</a>

# Details

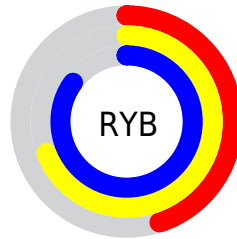
The XYZ color **41.0879, 57.3511, 56.4813** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.9667, 28.9550, 29.8699**, and the grayscale version is **45.2856, 47.6440, 51.8843**.

A 20% lighter version of the original color is **68.8837, 86.7096, 98.6940**, and **18.8148, 28.3742, 27.4068** is the 20% darker color. If you saturate the color by 10%, you get **37.9201, 55.7962, 52.8717**, and if you desaturate by 10%, it is **44.9641, 59.2708, 60.2808**.

# Distribution



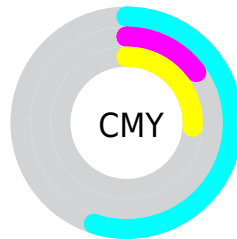
- Red (45%)
- Green (85%)
- Blue (74%)



- Red (45%)
- Yellow (69%)
- Blue (85%)



- Cyan (48%)
- Magenta (0%)
- Yellow (14%)
- Black (15%)




- Cyan (55%)
- Magenta (15%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.0879, 57.3511, 56.4813 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 41.0879, 57.3511, 56.4813 by changing the saturation by 10% instead.





 41.0879, 57.3511,  
56.4813


 41.0879, 57.3511,  
56.4813


341.7442,  
414.7636, 428.9420

 28.5757, 41.2872,  
40.1824


 76.0912, 100.9773,  
101.2007

 18.9028, 28.5436,  
27.3659

 99.3130, 129.3084,  
130.4583

 11.7036, 18.7358,  
17.6133

 126.8354,  
162.4973, 164.8725

 6.6130, 11.4795,  
10.5062

159.0238,  
200.9285, 204.8619

 3.2654, 6.3904,  
5.6259

196.2436,  
244.9864, 250.8450

 1.2956, 3.0839,  
2.5539

238.8600,

 0.1799, 1.1757,

295.0552, 303.2404

0.8685

287.2384,  
351.5195, 362.4665

■ 0.0000, 0.0417,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.0879, 57.3511,  
56.4813

■ 41.0879, 57.3511,  
56.4813

■ 37.9201, 55.7962,  
52.8717

■ 44.9641, 59.2708,  
60.2808

■ 35.4069, 54.5738,  
49.4437


■ 49.5883, 61.5711,  
64.2703


■ 33.4940, 53.6576,  
46.1942


■ 55.0028, 64.2754,  
68.4548


■ 32.1163, 53.0140,  
43.1180


■ 61.2450, 67.4028,  
72.8378

 31.1831, 52.5964,  
40.2089


 68.3504, 70.9716,  
77.4229

 30.9985, 52.5153,  
39.5634

 76.3518, 74.9988,  
82.2134

 80.8814, 77.2325,  
87.0066

 81.7912, 77.5964,  
91.7973

 82.7332, 77.9732,  
96.7581

# Harmonies

## Analogous

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



43.6631, 57.3511, 39.5938



41.0879, 57.3511, 56.4813



41.8327, 57.3511, 79.5198

# Triad

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



41.0879, 57.3511, 56.4813



60.1852, 57.3511, 110.9403



64.2566, 57.3511, 34.6532

# Complementary

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



41.0879, 57.3511, 56.4813



39.9667, 28.9550, 29.8699

# 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.



69.5213, 57.3511, 48.0091



41.0879, 57.3511, 56.4813



67.0203, 57.3511, 92.7361

# Square

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



41.0879, 57.3511, 56.4813



52.3861, 57.3511, 114.7378



70.5778, 57.3511, 68.8157



56.6916, 57.3511, 29.0890



# Rectangle

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



41.0879, 57.3511, 56.4813



44.1457, 57.3511, 95.2349



70.5778, 57.3511, 68.8157



66.3826, 57.3511, 38.2061

# Sweetspot

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



41.0895, 57.3534, 56.4826



81.4996, 93.2010, 99.8414



39.8227, 57.3981, 24.9004



17.0436, 19.7482, 21.0822



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

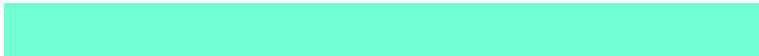


# Same Dimension

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



41.0895, 57.3534, 56.4826



54.1660, 79.6202, 75.5105



39.6077, 48.6648, 73.6381



13.2764, 14.7622, 15.9184



18.6192, 31.4803, 23.9581



1.2429, 2.0541, 1.7449



# Inverse Universe

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



39.9667, 28.9550, 29.8699



52.4114, 34.5898, 33.4400



40.5885, 33.3940, 20.2268



13.2097, 13.1130, 14.3658



17.8984, 9.1604, 3.8449

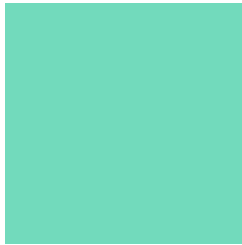


1.1964, 0.6082, 0.4433



# Previews

## White Background



This preview shows how the XYZ color 41.0879, 57.3511, 56.4813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

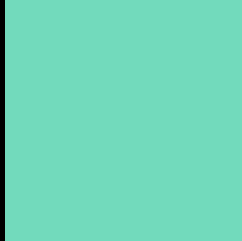
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.0879, 57.3511, 56.4813 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

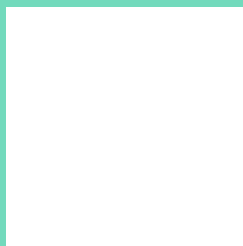
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.0879, 57.3511, 56.4813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.0879, 57.3511, 56.4813.



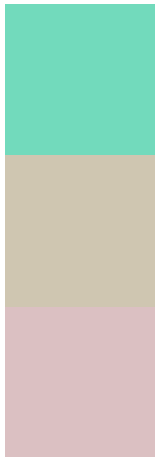
This preview shows how white text looks on a background with the XYZ color 41.0879, 57.3511,



# 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

41.0879, 57.3511, 56.4813

### Protanopia

53.8620, 56.8279, 49.7250

### Deuteranopia

57.8007, 56.6544, 58.9279



## **Tritanopia**

46.2905, 57.1797, 82.7258

# Trichromacy



## Original Color

41.0879, 57.3511, 56.4813



## Protanomaly

47.4054, 55.8831, 52.0040



## Deuteranomaly

49.4571, 55.4028, 57.9563



## Tritanomaly

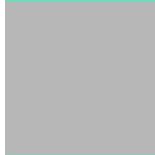
44.2102, 57.0857, 72.3069

# Monochromacy



## Original Color

41.0879, 57.3511, 56.4813



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.5974, 50.2517, 53.3534

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.0879, 57.3511, 56.4813 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(114, 218, 188)` looks like.

```
.text, #text, p{  
    color:rgb(114, 218, 188)  
}
```

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(114, 218, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 218, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 41.0879, 57.3511, 56.4813 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(114, 218, 188) }
```



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

```
.border{ border-color:rgb(114, 218, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 218, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 218, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 218, 188); box-shadow:4px 4px 4px 4px rgb(114, 218, 188) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.0879, 57.3511, 56.4813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 218, 188) }
```

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

```
.background{ background-color: rgb(114,  
218, 188) }
```

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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