

# Converting Colors

XYZ(40.4909, 57.3423, 43.4476)

Have a look what the booklet for  
XYZ(40.4909, 57.3423, 43.4476)  
contains.

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# Color

**XYZ(40.5844, 57.3763,  
43.5861)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80DAA3
RGB	128, 218, 163
RGB Percent	50%, 85%, 64%
CMY	0.4980, 0.1451, 0.3608
CMYK	0.41, 0.00, 0.25, 0.15
HSL	143°, 55%, 68%
HSV	143°, 41%, 85%
XYZ	40.5844, 57.3763, 43.5861
YIQ	184.8200, -35.9850, -36.1850

# Conversions

## Conversions Part 2

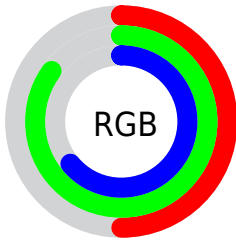
Format	Color
<a href="#">RYB</a>	<a href="#">128, 193, 218</a>
Decimal	<a href="#">8444579</a>
CIELab	<a href="#">80.39, -38.97, 18.79</a>
CIELCh	<a href="#">80, 43.262, 154.253</a>
Yxy	<a href="#">57.3763, 0.2867, 0.4054</a>
Android (android.graphics.Color)	<a href="#">4286634659 (0xFF80DAA3)</a>
YUV	<a href="#">184.8200, -10.7573, -49.8311</a>
Hunter-Lab	<a href="#">75.7471, -36.9194, 18.9066</a>

# Details

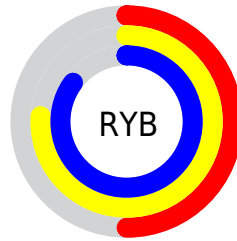
The XYZ color **40.5844, 57.3763, 43.5861** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **45.1818, 33.7641, 48.9379**, and the grayscale version is **46.0875, 48.4877, 52.8031**.

A 20% lighter version of the original color is **68.1821, 86.7723, 79.4848**, and **18.5372, 28.4048, 19.5446** is the 20% darker color. If you saturate the color by 10%, you get **36.5196, 55.4131, 37.4900**, and if you desaturate by 10%, it is **45.4825, 59.7577, 50.3802**.

# Distribution



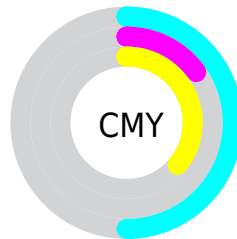
- Red (50%)
- Green (85%)
- Blue (64%)



- Red (50%)
- Yellow (76%)
- Blue (85%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)



- Cyan (50%)
- Magenta (15%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.5844, 57.3763, 43.5861 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 40.5844, 57.3763, 43.5861 by changing the saturation by 10% instead.



■ 40.5844, 57.3763,  
43.5861

■ 40.5844, 57.3763,  
43.5861

339.6729,  
414.8579, 377.0084

■ 28.1807, 41.3074,  
30.0104

■ 75.3313, 101.0141,  
81.8904

■ 18.6031, 28.5594,  
19.5944

■ 98.4052, 129.3517,  
107.4561

■ 11.4861, 18.7478,  
11.9194

■ 125.7666,  
162.5478, 137.8556

■ 6.4645, 11.4882,  
6.5670

157.7808,  
200.9867, 173.5074

■ 3.1729, 6.3962,  
3.1185

194.8132,  
245.0527, 214.8300

■ 1.2458, 3.0875,  
1.1554

237.2291,

■ 0.1421, 1.1776,

295.1303, 262.2420

0.0000

285.3939,  
351.6039, 316.1620

■ 0.0000, 0.0433,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 40.5844, 57.3763,  
43.5861

■ 40.5844, 57.3763,  
43.5861

■ 36.5196, 55.4131,  
37.4900

■ 45.4825, 59.7577,  
50.3802

■ 33.2340, 53.8360,  
32.0655


■ 51.2545, 62.5730,  
57.8898


■ 30.6742, 52.6195,  
27.2899


■ 57.9437, 65.8458,  
66.1368


■ 28.7777, 51.7317,  
23.1381


■ 65.5893, 69.5959,  
75.1408

 27.4703, 51.1350,  
19.5826

 74.2279, 73.8417,  
84.9208

 26.7033, 50.7972,  
16.9454

 82.4808, 77.8722,  
95.4287

 84.3624, 78.6249,  
105.3375

# Harmonies

## Analogous

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



45.4970, 57.3763, 30.2014



40.5844, 57.3763, 43.5861



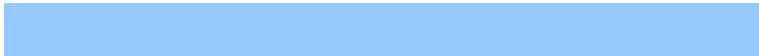
39.2490, 57.3763, 66.1619

# Triad

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



40.5844, 57.3763, 43.5861



55.8077, 57.3763, 124.8500



69.8618, 57.3763, 38.8395

# Complementary

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



40.5844, 57.3763, 43.5861



45.1818, 33.7641, 48.9379

# 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.



73.3480, 57.3763, 58.9239



40.5844, 57.3763, 43.5861



64.6958, 57.3763, 112.0981

# Square

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



40.5844, 57.3763, 43.5861



47.4641, 57.3763, 117.5267



71.3627, 57.3763, 86.1529



62.2742, 57.3763, 28.0269

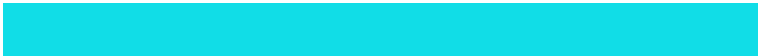


# Rectangle

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



40.5844, 57.3763, 43.5861



40.4305, 57.3763, 84.7332



71.3627, 57.3763, 86.1529



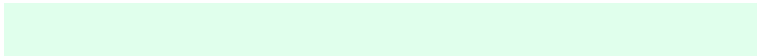
71.5874, 57.3763, 44.4988

# Sweetspot

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



40.5859, 57.3787, 43.5874



81.8085, 93.5048, 93.3218



48.6173, 61.8326, 29.7954



17.2280, 19.8756, 19.6323



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.



40.5859, 57.3787, 43.5874



52.5310, 79.2481, 54.1656



45.2991, 59.2639, 68.4065



13.0951, 14.6897, 14.9638



16.0465, 30.4512, 10.4103



1.0810, 1.9894, 0.8928



# Inverse Universe

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



45.1818, 33.7641, 48.9379



59.9641, 40.9962, 62.7751



41.2580, 32.1946, 28.2756



13.3887, 13.1846, 15.3081



19.9221, 9.9699, 14.5014

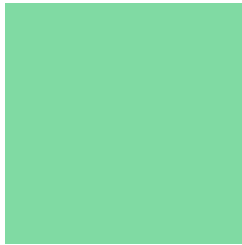


1.3324, 0.6626, 1.1594



# Previews

## White Background



This preview shows how the XYZ color 40.5844, 57.3763, 43.5861 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 40.5844, 57.3763, 43.5861 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

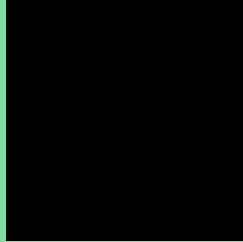
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.5844, 57.3763, 43.5861

## Background



This preview shows how black text looks on a background with the XYZ color 40.5844, 57.3763, 43.5861.



This preview shows how white text looks on a background with the XYZ color 40.5844, 57.3763,



# 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

40.5844, 57.3763, 43.5861

### Protanopia

53.1782, 56.7183, 38.7168

### Deuteranopia

57.7871, 56.6202, 45.4192



## Tritanopia

48.1018, 57.4238, 80.5002

# Trichromacy



## Original Color

40.5844, 57.3763, 43.5861



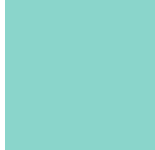
## Protanomaly

46.9732, 55.9207, 40.2163



## Deuteranomaly

49.5999, 55.7698, 44.7097



## Tritanomaly

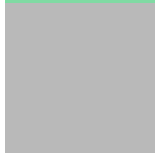
45.0550, 57.3036, 65.1860

# Monochromacy



## Original Color

40.5844, 57.3763, 43.5861



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

43.2119, 50.9993, 49.1613

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.5844, 57.3763, 43.5861 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(128, 218, 163)` looks like.

```
.text, #text, p{  
    color:rgb(128, 218, 163)  
}
```

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(128, 218, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 218, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 40.5844, 57.3763, 43.5861 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(128, 218, 163) }
```



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

```
.border{ border-color:rgb(128, 218, 163) }
```

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

Here you see how a box with a 4 pixel rgb(128, 218, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 218, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 218, 163);  
box-shadow:4px 4px 4px 4px rgb(128, 218,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.5844, 57.3763, 43.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 218, 163) }
```

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

```
.background{ background-color: rgb(128,  
218, 163) }
```

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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