

# Converting Colors

XYZ(41.8867, 60.1449, 56.1105)

Have a look what the booklet for  
XYZ(41.8867, 60.1449, 56.1105)  
contains.

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# Color

**XYZ(41.8253, 60.1077,  
55.8519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DE0BA
RGB	109, 224, 186
RGB Percent	43%, 88%, 73%
CMY	0.5725, 0.1216, 0.2706
CMYK	0.51, 0.00, 0.17, 0.12
HSL	160°, 65%, 65%
HSV	160°, 51%, 88%
XYZ	41.8253, 60.1077, 55.8519
YIQ	185.2830, -56.3420, -36.1980

# Conversions

## Conversions Part 2

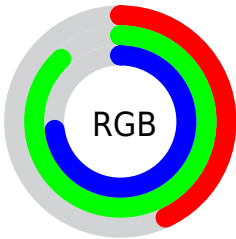
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 178, 224
Decimal	7200954
CIELab	81.90, -41.66, 8.69
CIELCh	82, 42.556, 168.220
Yxy	60.1077, 0.2651, 0.3809
Android (android.graphics.Color)	4285391034 (0xFF6DE0BA)
YUV	185.2830, 0.3535, -66.9002
Hunter-Lab	77.5292, -39.3791, 11.5580

# Details

The XYZ color **41.8253, 60.1077, 55.8519** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **41.4776, 28.8928, 30.9969**, and the grayscale version is **46.2937, 48.7045, 53.0393**.

A 20% lighter version of the original color is **67.7234, 86.1463, 97.0629**, and **19.3630, 30.2796, 27.0143** is the 20% darker color. If you saturate the color by 10%, you get **38.6465, 58.5591, 51.7019**, and if you desaturate by 10%, it is **45.7503, 62.0394, 60.2522**.

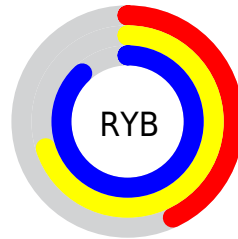
# Distribution



Red (43%)

Green (88%)

Blue (73%)



Red (43%)

Yellow (70%)

Blue (88%)

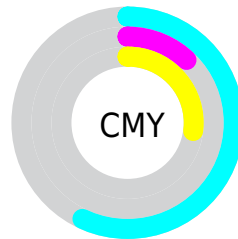


Cyan (51%)

Magenta (0%)

Yellow (17%)

Black (12%)



Cyan (57%)

Magenta (12%)

Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8253, 60.1077, 55.8519 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 41.8253, 60.1077, 55.8519 by changing the saturation by 10% instead.





 41.8253, 60.1077,  
55.8519


 41.8253, 60.1077,  
55.8519


344.7622,  
424.9946, 426.5058


 29.1550, 43.5054,  
39.6810


 77.2020, 104.9859,  
100.2716

 19.3430, 30.2819,  
26.9780


 100.6391,  
134.0306, 129.3576

 12.0239, 20.0527,  
17.3244


 128.3959,  
167.9916, 163.5856

 6.8322, 12.4333,  
10.3017

160.8377,  
207.2533, 203.3742

 3.4028, 7.0395,  
5.4912

198.3299,  
252.2000, 249.1420

 1.3702, 3.4868,  
2.4745

241.2378,

 0.2348, 1.3909,

303.2162, 301.3075

0.8266

289.9268,  
360.6863, 360.2892

■ 0.0000, 0.2100,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.8253, 60.1077,  
55.8519

■ 41.8253, 60.1077,  
55.8519

■ 38.6465, 58.5591,  
51.7019

■ 45.7503, 62.0394,  
60.2522

■ 36.1538, 57.3580,  
47.7924


■ 50.4658, 64.3722,  
64.9042


■ 34.2858, 56.4744,  
44.1186

■ 56.0184, 67.1318,  
69.8144


■ 32.9672, 55.8696,  
40.6735

■ 62.4497, 70.3394,  
74.9877

 32.1602, 55.5148,  
37.8666

 69.7983, 74.0149,  
80.4289

 78.1005, 78.1770,  
86.1425

 83.3025, 80.7357,  
91.9416

 84.4117, 81.1794,  
97.7826

 85.5662, 81.6412,  
103.8618

# Harmonies

## Analogous

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



45.1862, 60.1077, 37.6950



41.8253, 60.1077, 55.8519



42.2348, 60.1077, 82.1767

# Triad

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



41.8253, 60.1077, 55.8519



62.7071, 60.1077, 124.6275



69.4383, 60.1077, 35.0381

# Complementary

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



41.8253, 60.1077, 55.8519



41.4776, 28.8928, 30.9969

# 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.



75.1719, 60.1077, 51.1576



41.8253, 60.1077, 55.8519



71.0136, 60.1077, 104.2803

# Square

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



41.8253, 60.1077, 55.8519



53.6738, 60.1077, 126.8517



75.7769, 60.1077, 76.0827



60.7326, 60.1077, 27.9637

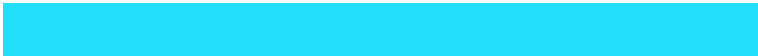


# Rectangle

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



41.8253, 60.1077, 55.8519



44.5983, 60.1077, 101.0988



75.7769, 60.1077, 76.0827



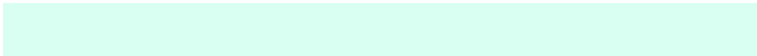
71.8147, 60.1077, 39.3497

# Sweetspot

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



41.8270, 60.1101, 55.8533



80.3822, 92.6659, 97.9380



41.5104, 60.6519, 23.9882



16.8122, 19.6383, 20.6471



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.



41.8270, 60.1101, 55.8533



51.4295, 78.3560, 68.7608



41.5546, 52.2183, 78.4128



13.9139, 15.4913, 16.5819



18.7741, 32.3345, 22.3311



1.3422, 2.2576, 1.7631



# Inverse Universe

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



41.4776, 28.8928, 30.9969



50.9418, 31.9655, 31.9793



41.2436, 32.4350, 18.5559



13.8931, 13.7749, 15.2072



18.6606, 9.5312, 4.8783

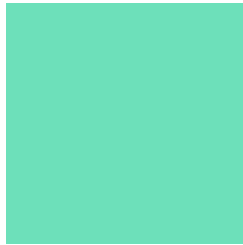


1.3339, 0.6768, 0.5510



# Previews

## White Background



This preview shows how the XYZ color 41.8253, 60.1077, 55.8519 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

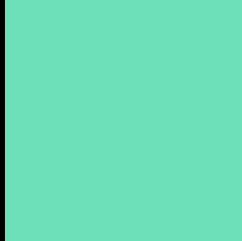
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.8253, 60.1077, 55.8519 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

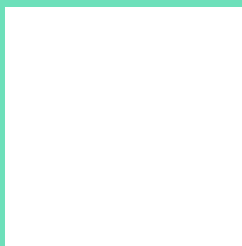
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 41.8253, 60.1077, 55.8519**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.8253, 60.1077, 55.8519.



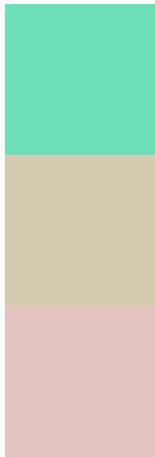
This preview shows how white text looks on a background with the XYZ color 41.8253, 60.1077,



# 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

41.8253, 60.1077, 55.8519

### Protanopia

56.0098, 59.3333, 49.0579

### Deuteranopia

60.3936, 59.0047, 58.0751



## Tritanopia

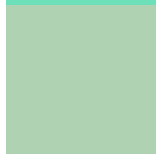
48.1204, 59.9090, 87.6246

# Trichromacy



## Original Color

41.8253, 60.1077, 55.8519



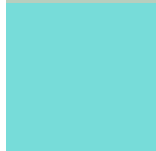
## Protanomaly

48.8625, 58.4618, 51.3568



## Deuteranomaly

50.8940, 57.9276, 57.2139



## Tritanomaly

45.7253, 60.1181, 74.8396

# Monochromacy



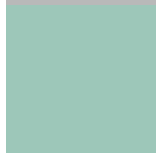
## Original Color

41.8253, 60.1077, 55.8519



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

43.0850, 51.5177, 53.5720

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.8253, 60.1077, 55.8519 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(109, 224, 186)` looks like.

```
.text, #text, p{  
    color:rgb(109, 224, 186)  
}
```

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(109, 224, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 224, 186) }
```

## Border

The CSS property to change the border of an element to XYZ 41.8253, 60.1077, 55.8519 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(109, 224, 186) }
```



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

```
.border{ border-color:rgb(109, 224, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 224, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 224, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 224, 186);  
box-shadow:4px 4px 4px 4px rgb(109, 224,  
186) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.8253, 60.1077, 55.8519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 224, 186) }
```

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

```
.background{ background-color: rgb(109,  
224, 186) }
```

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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