

# Converting Colors

XYZ(45.1781, 62.0026, 55.7375)

Have a look what the booklet for  
XYZ(45.1781, 62.0026, 55.7375)  
contains.

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# Color

**XYZ(45.0855, 61.8006,  
55.4514)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E0B9
RGB	133, 224, 185
RGB Percent	52%, 88%, 73%
CMY	0.4784, 0.1216, 0.2745
CMYK	0.41, 0.00, 0.17, 0.12
HSL	154°, 59%, 70%
HSV	154°, 41%, 88%
XYZ	45.0855, 61.8006, 55.4514
YIQ	192.3450, -41.7170, -31.4210

# Conversions

## Conversions Part 2

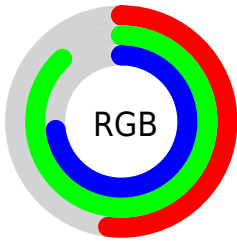
Format	Color
<b>RYB</b>	133, 191, 224
Decimal	8773817
CIELab	82.81, -35.95, 10.64
CIELCh	83, 37.491, 163.510
Yxy	61.8006, 0.2777, 0.3807
Android (android.graphics.Color)	4286963897 (0xFF85E0B9)
YUV	192.3450, -3.6211, -52.0456
Hunter-Lab	78.6134, -35.2019, 13.2080

# Details

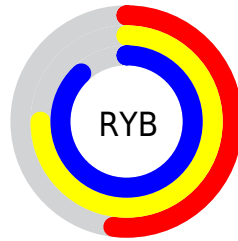
The XYZ color **45.0855, 61.8006, 55.4514** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.5765, 35.6025, 43.4494**, and the grayscale version is **50.3439, 52.9657, 57.6797**.

A 20% lighter version of the original color is **72.6234, 88.6897, 96.5102**, and **21.2281, 31.2490, 26.7426** is the 20% darker color. If you saturate the color by 10%, you get **40.9397, 59.7782, 50.1450**, and if you desaturate by 10%, it is **50.0572, 64.2442, 61.1565**.

# Distribution



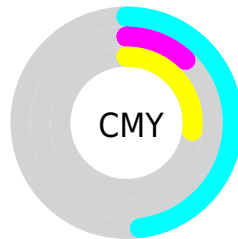
- Red (52%)
- Green (88%)
- Blue (73%)



- Red (52%)
- Yellow (75%)
- Blue (88%)



- Cyan (41%)
- Magenta (0%)
- Yellow (17%)
- Black (12%)




- Cyan (48%)
- Magenta (12%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0855, 61.8006, 55.4514 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 45.0855, 61.8006, 55.4514 by changing the saturation by 10% instead.





 45.0855, 61.8006,  
55.4514


 45.0855, 61.8006,  
55.4514


357.8976,  
431.2034, 424.9508


 31.7263, 44.8716,  
39.3622


 82.0850, 107.4373,  
99.6798

 21.3071, 31.3563,  
26.7316


 106.4560,  
136.9138, 128.6561

 13.4624, 20.8703,  
17.1411


 135.2284,  
171.3415, 162.7651

 7.8269, 13.0292,  
10.1721

168.7674,  
211.1050, 202.4255

 4.0353, 7.4487,  
5.4061

207.4385,  
256.5885, 248.0557

 1.7221, 3.7443,  
2.4246

251.6070,

 0.4700, 1.5316,

308.1764, 300.0743

0.7998

301.6382,  
366.2533, 358.8998

0.0000, 0.3108,  
0.0000

0.0000, 0.0000,  
0.0000

45.0855, 61.8006,  
55.4514

45.0855, 61.8006,  
55.4514

40.9397, 59.7782,  
50.1450

50.0572, 64.2442,  
61.1565

37.5650, 58.1439,  
45.2236


55.8953, 67.1246,  
67.2648


34.9079, 56.8719,  
40.6789


62.6432, 70.4660,  
73.7865


32.9050, 55.9298,  
36.5005

70.3403, 74.2882,  
80.7298

 31.4813, 55.2790,  
32.6772

 79.0233, 78.6103,  
88.1027

 30.5529, 54.8719,  
29.4025

 84.0148, 81.0207,  
95.6924

 85.5001, 81.6148,  
103.5135

 85.9467, 81.7935,  
105.8656

# Harmonies

## Analogous

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



48.6939, 61.8006, 39.9391



45.0855, 61.8006, 55.4514



44.9107, 61.8006, 78.2117

# Triad

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



45.0855, 61.8006, 55.4514



62.4386, 61.8006, 120.3899



70.7235, 61.8006, 41.1040

# Complementary

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



45.0855, 61.8006, 55.4514



46.5765, 35.6025, 43.4494

# 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.



75.1506, 61.8006, 57.4362



45.0855, 61.8006, 55.4514



70.0799, 61.8006, 104.9268

# Square

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



45.0855, 61.8006, 55.4514



54.4456, 61.8006, 119.5108



74.9048, 61.8006, 80.7047



63.2537, 61.8006, 33.0484



# Rectangle

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



45.0855, 61.8006, 55.4514



46.7317, 61.8006, 94.9179



74.9048, 61.8006, 80.7047



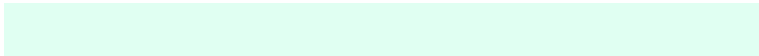
72.6462, 61.8006, 45.6227

# Sweetspot

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



45.0872, 61.8031, 55.4528



82.6344, 93.8352, 97.6707



47.9998, 63.8272, 31.9813



17.4221, 19.9532, 20.6546



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.



45.0872, 61.8031, 55.4528



55.5690, 80.5079, 68.1457



48.1835, 60.4791, 79.6580



13.8553, 15.4679, 16.2734



17.8420, 31.9616, 17.4228



1.2813, 2.2332, 1.4425



# Inverse Universe

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



46.5765, 35.6025, 43.4494



57.8394, 40.6826, 49.9332



44.2182, 36.0269, 26.8146



13.9499, 13.7976, 15.5061



19.1773, 9.7379, 7.5993



1.3734, 0.6927, 0.7594



# Previews

## White Background



This preview shows how the XYZ color 45.0855, 61.8006, 55.4514 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

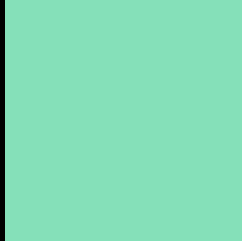
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 45.0855, 61.8006, 55.4514 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

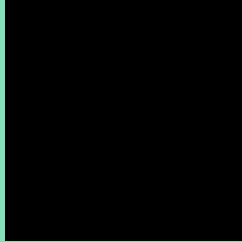
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 45.0855, 61.8006, 55.4514

## Background



This preview shows how black text looks on a background with the XYZ color 45.0855, 61.8006, 55.4514.



This preview shows how white text looks on a background with the XYZ color 45.0855, 61.8006,



# 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

45.0855, 61.8006, 55.4514

### Protanopia

57.8881, 61.3567, 49.3494

### Deuteranopia

62.2312, 60.9727, 57.7792



## Tritanopia

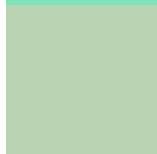
51.4853, 61.6436, 87.7821

# Trichromacy



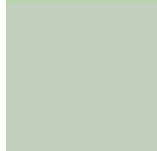
## Original Color

45.0855, 61.8006, 55.4514



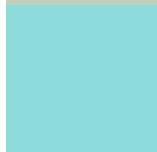
## Protanomaly

51.9299, 60.7807, 51.6427



## Deuteranomaly

54.0038, 59.9019, 56.8600



## Tritanomaly

49.1021, 61.8589, 74.9976

# Monochromacy



## Original Color

45.0855, 61.8006, 55.4514



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.5728, 55.5178, 56.3528

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.0855, 61.8006, 55.4514 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(133, 224, 185)` looks like.

```
.text, #text, p{  
    color:rgb(133, 224, 185)  
}
```

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(133, 224, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 224, 185) }
```

## Border

The CSS property to change the border of an element to XYZ 45.0855, 61.8006, 55.4514 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(133, 224, 185) }
```



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

```
.border{ border-color:rgb(133, 224, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 224, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 224, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 224, 185);  
box-shadow:4px 4px 4px 4px rgb(133, 224,  
185) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.0855, 61.8006, 55.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 224, 185) }
```

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

```
.background{ background-color: rgb(133,  
224, 185) }
```

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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