

# Converting Colors

XYZ(44.5445, 61.3686, 54.8698)

Have a look what the booklet for  
XYZ(44.5445, 61.3686, 54.8698)  
contains.

<b>XYZ(44.6675, 61.5973, 54.8826)</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(44.6675, 61.5973,  
54.8826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E0B8
RGB	131, 224, 184
RGB Percent	51%, 88%, 72%
CMY	0.4863, 0.1216, 0.2784
CMYK	0.42, 0.00, 0.18, 0.12
HSL	154°, 60%, 70%
HSV	154°, 42%, 88%
XYZ	44.6675, 61.5973, 54.8826
YIQ	191.6330, -42.5880, -32.1560

# Conversions

## Conversions Part 2

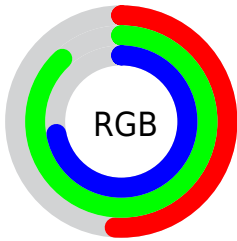
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 190, 224
Decimal	8642744
CIELab	82.70, -36.69, 11.00
CIELCh	83, 38.304, 163.307
Yxy	61.5973, 0.2772, 0.3822
Android (android.graphics.Color)	4286832824 (0xFF83E0B8)
YUV	191.6330, -3.7631, -53.1751
Hunter-Lab	78.4839, -35.7574, 13.4782

# Details

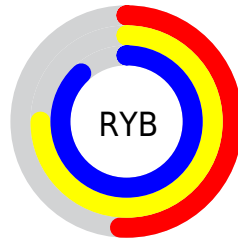
The XYZ color **44.6675, 61.5973, 54.8826** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.2096, 35.0218, 42.8551**, and the grayscale version is **49.9294, 52.5296, 57.2048**.

A 20% lighter version of the original color is **72.2272, 88.5026, 95.7140**, and **21.0010, 31.1398, 26.3764** is the 20% darker color. If you saturate the color by 10%, you get **40.5904, 59.6099, 49.5986**, and if you desaturate by 10%, it is **49.5667, 64.0039, 60.5669**.

# Distribution



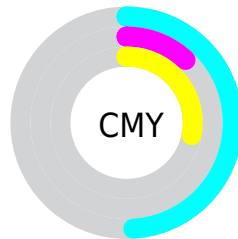
- Red (51%)
- Green (88%)
- Blue (72%)



- Red (51%)
- Yellow (75%)
- Blue (88%)



- Cyan (42%)
- Magenta (0%)
- Yellow (18%)
- Black (12%)



- Cyan (49%)
- Magenta (12%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6675, 61.5973, 54.8826 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 44.6675, 61.5973, 54.8826 by changing the saturation by 10% instead.





 44.6675, 61.5973,  
54.8826


 44.6675, 61.5973,  
54.8826


356.2316,  
430.4607, 422.7362


 31.3958, 44.7074,  
38.9098


 81.4614, 107.1433,  
98.8384

 21.0537, 31.2270,  
26.3822


 105.7142,  
136.5682, 127.6584

 13.2760, 20.7718,  
16.8815


 134.3582,  
170.9402, 161.5978

 7.6971, 12.9573,  
9.9890

167.7586,  
210.6437, 201.0753

 3.9519, 7.3991,  
5.2861

206.2807,  
256.0631, 246.5093

 1.6750, 3.7129,  
2.3544

250.2901,

 0.4405, 1.5143,

307.5828, 298.3185

0.7615

300.1519,  
365.5872, 356.9212

■ 0.0000, 0.2988,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.6675, 61.5973,  
54.8826

■ 44.6675, 61.5973,  
54.8826

■ 40.5904, 59.6099,  
49.5986

■ 49.5667, 64.0039,  
60.5669

■ 37.2803, 58.0084,  
44.7013


■ 55.3288, 66.8455,  
66.6562


■ 34.6828, 56.7667,  
40.1820


■ 61.9977, 70.1464,  
73.1608


■ 32.7338, 55.8518,  
36.0303

■ 69.6128, 73.9267,  
80.0889

 31.3570, 55.2246,  
32.2347

 78.2112, 78.2053,  
87.4487

 30.5303, 54.8629,  
29.2833

 83.8955, 80.9730,  
95.0639

 85.3799, 81.5668,  
102.8805

 85.9468, 81.7935,  
105.8656

# Harmonies

## Analogous

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



48.3554, 61.5973, 39.2152



44.6675, 61.5973, 54.8826



44.4659, 61.5973, 78.0429

# Triad

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



44.6675, 61.5973, 54.8826



62.2623, 61.5973, 121.5031



70.8246, 61.5973, 40.5533

# Complementary

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



44.6675, 61.5973, 54.8826



46.2096, 35.0218, 42.8551

# 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.



75.3238, 61.5973, 57.1753



44.6675, 61.5973, 54.8826



70.0771, 61.5973, 105.7196

# Square

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



44.6675, 61.5973, 54.8826



54.1203, 61.5973, 120.4767



75.0381, 61.5973, 80.9377



63.2074, 61.5973, 32.3683



# Rectangle

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



44.6675, 61.5973, 54.8826



46.2994, 61.5973, 95.1399



75.0381, 61.5973, 80.9377



72.7824, 61.5973, 45.1462

# Sweetspot

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



44.6692, 61.5998, 54.8840



82.6273, 93.8324, 97.6335



47.6144, 63.6443, 31.2488



17.4204, 19.9526, 20.6459



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

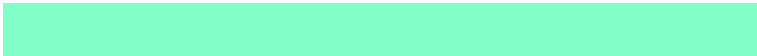


# Same Dimension

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



44.6692, 61.5998, 54.8840



55.0310, 80.2481, 67.3299



47.8362, 60.2488, 79.6319



13.8544, 15.4675, 16.2686



17.8288, 31.9564, 17.3535



1.2804, 2.2329, 1.4378



# Inverse Universe

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



46.2096, 35.0218, 42.8551



57.3729, 39.9597, 49.1302



43.8132, 35.4358, 26.0043



13.9507, 13.7979, 15.5108



19.1866, 9.7417, 7.6485

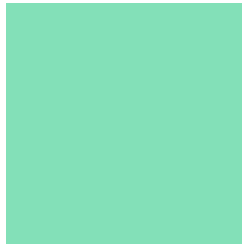


1.3741, 0.6929, 0.7630



# Previews

## White Background



This preview shows how the XYZ color 44.6675, 61.5973, 54.8826 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

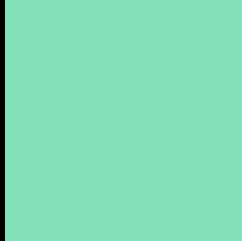
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.6675, 61.5973, 54.8826 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 44.6675, 61.5973, 54.8826**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6675, 61.5973, 54.8826.



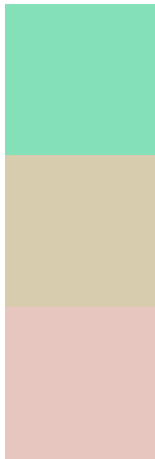
This preview shows how white text looks on a background with the XYZ color 44.6675, 61.5973,



# 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

44.6675, 61.5973, 54.8826

### Protanopia

57.2572, 60.6888, 48.7407

### Deuteranopia

62.1215, 60.9289, 57.2015



## **Tritanopia**

50.9918, 61.4059, 87.0069

# Trichromacy



## Original Color

44.6675, 61.5973, 54.8826



## Protanomaly

51.0973, 59.9932, 51.0062



## Deuteranomaly

53.6381, 59.7258, 56.2782



## Tritanomaly

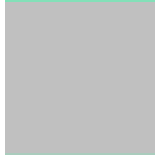
48.6353, 61.6332, 74.2988

# Monochromacy



## Original Color

44.6675, 61.5973, 54.8826



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.3557, 55.4059, 56.3426

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6675, 61.5973, 54.8826 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(131, 224, 184)` looks like.

```
.text, #text, p{  
    color:rgb(131, 224, 184)  
}
```

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(131, 224, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 224, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6675, 61.5973, 54.8826 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(131, 224, 184) }
```



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

```
.border{ border-color:rgb(131, 224, 184) }
```

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

Here you see how a box with a 4 pixel rgb(131, 224, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 224, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 224, 184);  
box-shadow:4px 4px 4px 4px rgb(131, 224,  
184) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6675, 61.5973, 54.8826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 224, 184) }
```

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

```
.background{ background-color: rgb(131,  
224, 184) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor