

# Converting Colors

XYZ(39.5704, 65.5186, 50.4707)

Have a look what the booklet for  
XYZ(39.5704, 65.5186, 50.4707)  
contains.

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# Color

**XYZ(39.4613, 65.2812,  
50.5651)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AEFAE
RGB	42, 239, 174
RGB Percent	16%, 94%, 68%
CMY	0.8353, 0.0627, 0.3176
CMYK	0.82, 0.00, 0.27, 0.06
HSL	160°, 86%, 55%
HSV	160°, 82%, 94%
XYZ	39.4613, 65.2812, 50.5651
YIQ	172.6870, -96.5470, -61.9790

# Conversions

## Conversions Part 2

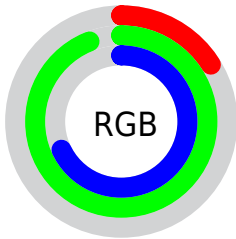
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 160, 239
Decimal	2813870
CIELab	84.63, -60.74, 18.62
CIELCh	85, 63.528, 162.958
Yxy	65.2812, 0.2541, 0.4203
Android (android.graphics.Color)	4281003950 (0xFF2AEFAE)
YUV	172.6870, 0.6473, -114.6125
Hunter-Lab	80.7968, -54.2146, 19.4523

# Details

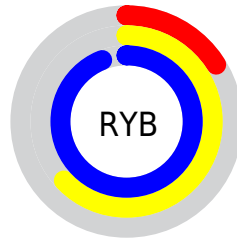
The XYZ color **39.4613, 65.2812, 50.5651** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **39.0806, 21.0698, 15.9201**, and the grayscale version is **39.5954, 41.6574, 45.3649**.

A 20% lighter version of the original color is **58.2113, 81.4441, 87.5151**, and **20.1791, 34.8364, 23.7497** is the 20% darker color. If you saturate the color by 10%, you get **38.0127, 64.6223, 46.6020**, and if you desaturate by 10%, it is **41.5403, 66.2632, 54.7963**.

# Distribution



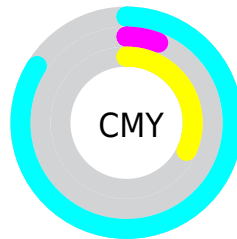
- Red (16%)
- Green (94%)
- Blue (68%)



- Red (16%)
- Yellow (63%)
- Blue (94%)



- Cyan (82%)
- Magenta (0%)
- Yellow (27%)
- Black (6%)




- Cyan (84%)
- Magenta (6%)
- Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4613, 65.2812, 50.5651 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 39.4613, 65.2812, 50.5651 by changing the saturation by 10% instead.





 39.4613, 65.2812,  
50.5651


 39.4613, 65.2812,  
50.5651


335.0213,  
443.8018, 405.6699


 27.3011, 47.6891,  
35.4883


 73.6321, 112.4540,  
92.4165


 17.9373, 33.5808,  
23.7527


 96.3734, 142.8036,  
120.0282


 11.0044, 22.5717,  
14.9398


 123.3724,  
178.1744, 152.6552

 6.1371, 14.2776,  
8.6310

 154.9945,  
218.9510, 190.7162

 2.9701, 8.3140,  
4.4078

 191.6052,  
265.5176, 234.6296

 1.1380, 4.2965,  
1.8516

233.5696,

 0.0565, 1.8408,

318.2587, 284.8140

0.4617

281.2532,  
377.5586, 341.6879

■ 0.0000, 0.5124,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.4613, 65.2812,  
50.5651

■ 39.4613, 65.2812,  
50.5651

■ 38.0127, 64.6223,  
46.6020


■ 41.5403, 66.2632,  
54.7963


■ 37.2251, 64.2782,  
43.7671


■ 44.3353, 67.6073,  
59.2991


■ 47.9235, 69.3549,  
64.0824


■ 52.3703, 71.5397,  
69.1531

 57.7342, 74.1917,  
74.5174

 64.0686, 77.3384,  
80.1815

 71.4222, 81.0048,  
86.1512

 79.8410, 85.2145,  
92.4319

 88.5859, 89.5866,  
98.9925

# Harmonies

## Analogous

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



45.2614, 65.2812, 27.8822



39.4613, 65.2812, 50.5651



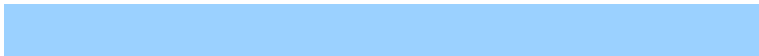
39.0906, 65.2812, 90.0660

# Triad

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



39.4613, 65.2812, 50.5651



68.3644, 65.2812, 177.5539



84.2156, 65.2812, 30.0438

# Complementary

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



39.4613, 65.2812, 50.5651



39.0806, 21.0698, 15.9201

# 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.



92.5896, 65.2812, 54.9695



39.4613, 65.2812, 50.5651



82.5430, 65.2812, 144.9038

# Square

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



39.4613, 65.2812, 50.5651



54.3959, 65.2812, 174.9162



91.9346, 65.2812, 96.5062



70.3857, 65.2812, 19.5129



# Rectangle

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



39.4613, 65.2812, 50.5651



41.8682, 65.2812, 122.5816



91.9346, 65.2812, 96.5062



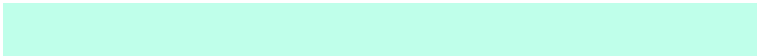
87.8500, 65.2812, 36.5020

# Sweetspot

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



39.4631, 65.2838, 50.5666



72.1550, 88.5673, 91.1075



37.4305, 65.0702, 12.7784



14.8855, 18.6795, 19.0041



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.



39.4631, 65.2838, 50.5666



43.2095, 74.5035, 50.9820



38.6484, 50.9499, 89.4617



16.0127, 17.8351, 19.0897



20.6338, 35.5455, 24.5183



1.7623, 2.9754, 2.2806



# Inverse Universe

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



39.0806, 21.0698, 15.9201



42.9414, 21.9848, 10.7527



38.5214, 23.5293, 4.7027



15.9879, 15.8449, 17.4924



20.5026, 10.4734, 5.2970

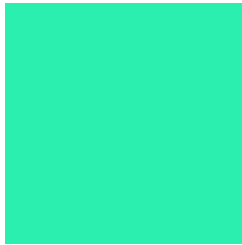


1.7499, 0.8890, 0.6738



# Previews

## White Background



This preview shows how the XYZ color 39.4613, 65.2812, 50.5651 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 39.4613, 65.2812, 50.5651 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

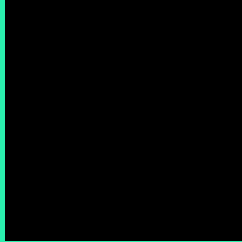
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

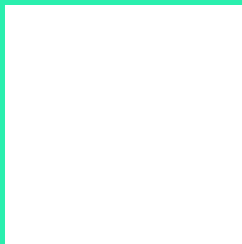
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 39.4613, 65.2812, 50.5651

## Background



This preview shows how black text looks on a background with the XYZ color 39.4613, 65.2812, 50.5651.



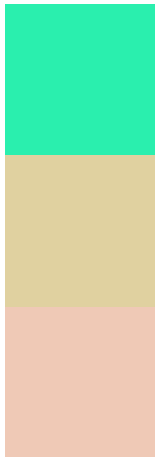
This preview shows how white text looks on a background with the XYZ color 39.4613, 65.2812,



# 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

39.4613, 65.2812, 50.5651

### Protanopia

59.8861, 63.9863, 42.4520

### Deuteranopia

64.9267, 63.5014, 53.0910



## Tritanopia

48.8931, 64.8422, 98.7458

# Trichromacy



## Original Color

39.4613, 65.2812, 50.5651



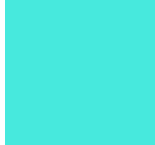
## Protanomaly

46.4853, 61.1721, 44.9547



## Deuteranomaly

48.3735, 60.0710, 51.6931



## Tritanomaly

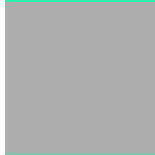
44.7886, 64.8379, 78.5610

# Monochromacy



## Original Color

39.4613, 65.2812, 50.5651



## Achromatopsia

39.7200, 41.7885, 45.5077



## Achromatomaly

35.9665, 47.3096, 46.7712

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4613, 65.2812, 50.5651 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(42, 239, 174)` looks like.

```
.text, #text, p{  
    color:rgb(42, 239, 174)  
}
```

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(42, 239, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 239, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4613, 65.2812, 50.5651 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(42, 239, 174) }
```



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

```
.border{ border-color:rgb(42, 239, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 239, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 239, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 239, 174);  
box-shadow:4px 4px 4px 4px rgb(42, 239,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4613, 65.2812, 50.5651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 239, 174) }
```

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

```
.background{ background-color: rgb(42, 239,  
174) }
```

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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