

# Converting Colors

XYZ(39.3215, 62.6104, 51.6075)

Have a look what the booklet for  
XYZ(39.3215, 62.6104, 51.6075)  
contains.

<b>XYZ(39.3215, 62.6104, 51.6075)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.3215, 62.6104,  
51.6075)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42E9B1
RGB	66, 233, 177
RGB Percent	26%, 91%, 69%
CMY	0.7412, 0.0863, 0.3059
CMYK	0.72, 0.00, 0.24, 0.09
HSL	160°, 79%, 59%
HSV	160°, 72%, 91%
XYZ	39.3215, 62.6104, 51.6075
YIQ	176.6830, -81.5560, -52.8200

# Conversions

## Conversions Part 2

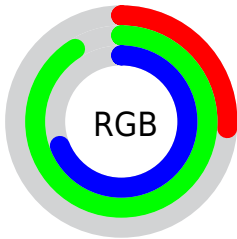
Format	Color
<a href="#">RYB</a>	<a href="#">66, 166, 233</a>
Decimal	<a href="#">4385201</a>
CIELab	<a href="#">83.24, -55.18, 15.16</a>
CIELCh	<a href="#">83, 57.227, 164.637</a>
Yxy	<a href="#">62.6104, 0.2561, 0.4078</a>
Android (android.graphics.Color)	<a href="#">4282575281 (0xFF42E9B1)</a>
YUV	<a href="#">176.6830, 0.1563, -97.0690</a>
Hunter-Lab	<a href="#">79.1267, -49.7674, 16.7190</a>

# Details

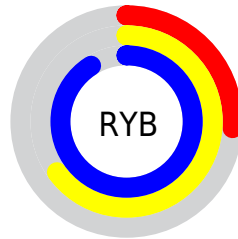
The XYZ color **39.3215, 62.6104, 51.6075** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **39.0675, 22.6268, 20.7233**, and the grayscale version is **41.6553, 43.8246, 47.7250**.

A 20% lighter version of the original color is **60.4597, 82.5541, 89.8388**, and **19.1634, 32.5059, 24.3330** is the 20% darker color. If you saturate the color by 10%, you get **37.3031, 61.6589, 47.5642**, and if you desaturate by 10%, it is **42.0268, 63.9141, 55.9186**.

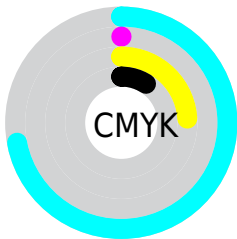
# Distribution



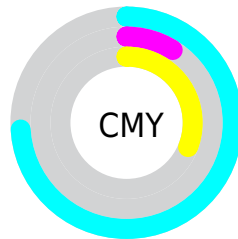
- Red (26%)
- Green (91%)
- Blue (69%)



- Red (26%)
- Yellow (65%)
- Blue (91%)



- Cyan (72%)
- Magenta (0%)
- Yellow (24%)
- Black (9%)




- Cyan (74%)
- Magenta (9%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.3215, 62.6104, 51.6075 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 39.3215, 62.6104, 51.6075 by changing the saturation by 10% instead.





 39.3215, 62.6104,  
51.6075


 39.3215, 62.6104,  
51.6075


334.4391,  
434.1542, 409.8332


 27.1918, 45.5261,  
36.3122


 73.4201, 108.6072,  
93.9728


 17.8546, 31.8720,  
24.3838


 96.1198, 138.2886,  
121.8799

 10.9447, 21.2638,  
15.4038


 123.0734,  
172.9377, 154.8281

 6.0967, 13.3169,  
8.9535

 154.6464,  
212.9390, 193.2358

 2.9452, 7.6472,  
4.6145

191.2041,  
258.6769, 237.5216

 1.1248, 3.8700,  
1.9681

233.1119,

 0.0457, 1.6011,

310.5358, 288.1041

0.5356

280.7351,  
368.9001, 345.4018

■ 0.0000, 0.3584,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 39.3215, 62.6104,  
51.6075

■ 39.3215, 62.6104,  
51.6075

■ 37.3031, 61.6589,  
47.5642

■ 42.0268, 63.9141,  
55.9186


■ 35.8827, 61.0090,  
43.7764


■ 45.4839, 65.5984,  
60.5001


■ 35.0452, 60.6421,  
40.8099


■ 49.7555, 67.6974,  
65.3599


■ 54.8961, 70.2389,  
70.5043

 60.9554, 73.2486,  
75.9391

 67.9793, 76.7500,  
81.6699

 76.0104, 80.7650,  
87.7020

 85.0890, 85.3142,  
94.0406

 87.2187, 86.2755,  
100.3148

# Harmonies

## Analogous

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



44.2558, 62.6104, 30.1628



39.3215, 62.6104, 51.6075



39.2620, 62.6104, 86.9588

# Triad

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



39.3215, 62.6104, 51.6075



65.7510, 62.6104, 158.0849



78.1745, 62.6104, 30.5205

# Complementary

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



39.3215, 62.6104, 51.6075



39.0675, 22.6268, 20.7233

# 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.



85.7395, 62.6104, 52.3070



39.3215, 62.6104, 51.6075



77.9178, 62.6104, 129.3507

# Square

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



39.3215, 62.6104, 51.6075



53.4029, 62.6104, 157.6917



85.6395, 62.6104, 87.9486



66.0643, 62.6104, 21.1985



# Rectangle

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



39.3215, 62.6104, 51.6075



41.9414, 62.6104, 114.9100



85.6395, 62.6104, 87.9486



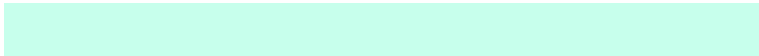
81.4036, 62.6104, 36.2159

# Sweetspot

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



39.3232, 62.6129, 51.6090



74.4542, 89.7155, 92.8922



38.5017, 62.9925, 15.2847



15.4809, 18.9763, 19.4870



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.



39.3232, 62.6129, 51.6090



44.8648, 75.2448, 56.1224



39.5004, 52.1313, 85.0741



15.2905, 17.0310, 18.2126



19.9446, 34.4323, 23.4712



1.6106, 2.7215, 2.0770



# Inverse Universe

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



39.0675, 22.6268, 20.7233



44.6352, 23.6130, 16.7414



38.3349, 25.2094, 8.0007



15.2738, 15.1374, 16.7273



19.9024, 10.1637, 5.2874

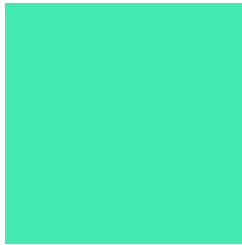


1.6061, 0.8154, 0.6432



# Previews

## White Background



This preview shows how the XYZ color 39.3215, 62.6104, 51.6075 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 39.3215, 62.6104, 51.6075 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

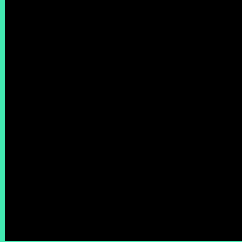
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

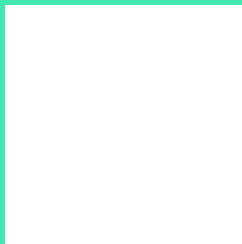
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.3215, 62.6104, 51.6075**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.3215, 62.6104, 51.6075.



This preview shows how white text looks on a background with the XYZ color 39.3215, 62.6104,



# 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

39.3215, 62.6104, 51.6075

### Protanopia

57.4456, 61.2484, 43.9164

### Deuteranopia

62.5553, 61.2146, 54.4175



## Tritanopia

47.5065, 62.2089, 93.5081

# Trichromacy



## Original Color

39.3215, 62.6104, 51.6075



## Protanomaly

46.5661, 59.2520, 46.5186



## Deuteranomaly

48.7510, 58.7366, 53.0238



## Tritanomaly

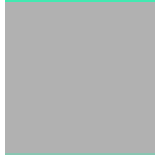
43.8703, 61.9314, 75.9714

# Monochromacy



## Original Color

39.3215, 62.6104, 51.6075



## Achromatopsia

41.7894, 43.9657, 47.8787



## Achromatomaly

38.2186, 48.4252, 48.9276

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.3215, 62.6104, 51.6075 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(66, 233, 177)` looks like.

```
.text, #text, p{  
    color:rgb(66, 233, 177)  
}
```

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(66, 233, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 233, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 39.3215, 62.6104, 51.6075 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(66, 233, 177) }
```



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

```
.border{ border-color:rgb(66, 233, 177) }
```

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

Here you see how a box with a 4 pixel rgb(66, 233, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 233, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 233, 177);  
box-shadow:4px 4px 4px 4px rgb(66, 233,  
177) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.3215, 62.6104, 51.6075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 233, 177) }
```

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

```
.background{ background-color: rgb(66, 233,  
177) }
```

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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