

# Converting Colors

XYZ(32.3745, 55.7710, 38.4691)

Have a look what the booklet for  
XYZ(32.3745, 55.7710, 38.4691)  
contains.

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# Color

**XYZ(32.2416, 55.5457,  
38.3002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00E097
RGB	0, 224, 151
RGB Percent	0%, 88%, 59%
CMY	0.9999, 0.1216, 0.4078
CMYK	1.00, 0.00, 0.33, 0.12
HSL	160°, 100%, 44%
HSV	160°, 100%, 88%
XYZ	32.2416, 55.5457, 38.3002
YIQ	148.7020, -110.0710, -70.1910

# Conversions

## Conversions Part 2

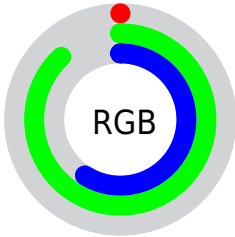
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 134, 224
Decimal	57495
CIELab	79.35, -62.30, 23.22
CIELCh	79, 66.490, 159.557
Yxy	55.5457, 0.2557, 0.4405
Android (android.graphics.Color)	4278247575 (0xFF00E097)
YUV	148.7020, 1.1329, -130.4117
Hunter-Lab	74.5290, -53.2058, 21.7014

# Details

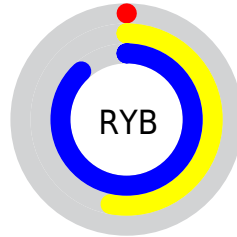
The XYZ color **32.2416, 55.5457, 38.3002** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **31.9454, 16.3299, 7.7764**, and the grayscale version is **28.4744, 29.9573, 32.6235**.

A 20% lighter version of the original color is **52.9640, 79.1020, 70.8692**, and **16.1190, 28.5575, 16.7192** is the 20% darker color. If you saturate the color by 10%, you get **32.2420, 55.5474, 38.2978**, and if you desaturate by 10%, it is **33.1947, 55.9678, 41.5381**.

# Distribution



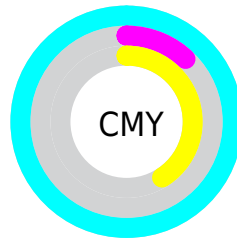
- Red (0%)
- Green (88%)
- Blue (59%)



- Red (0%)
- Yellow (53%)
- Blue (88%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (12%)




- Cyan (100%)
- Magenta (12%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2416, 55.5457, 38.3002 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 32.2416, 55.5457, 38.3002 by changing the saturation by 10% instead.





 32.2416, 55.5457,  
38.3002


 32.2416, 55.5457,  
38.3002


303.9441,  
407.9772, 354.2427


 21.7025, 39.8388,  
25.9121


 62.5523, 98.3400,  
73.7766


 13.7539, 27.4129,  
16.5327


 83.0546, 126.1963,  
97.7019


 8.0302, 17.8836,  
9.7435


 107.6088,  
158.8710, 126.3101

 4.1663, 10.8664,  
5.1258

 136.5801,  
196.7488, 160.0197

 1.7966, 5.9771,  
2.2613

 170.3339,  
240.2139, 199.2492

 0.5156, 2.8311,  
0.7094

209.2357,

 0.0000, 1.0442,

289.6507, 244.4172

0.0000

253.6506,  
345.4437, 295.9422

■ 0.0000, 0.0000,  
0.0000

■ 32.2416, 55.5457,  
38.3002

■ 32.2416, 55.5457,  
38.3002

■ 32.2420, 55.5474,  
38.2978

■ 33.1947, 55.9678,  
41.5381

■ 34.5779, 56.6059,  
44.9899

■ 36.5207, 57.5281,  
48.6663

■ 39.0962, 58.7720,  
52.5738

■ 42.3664, 60.3695,  
56.7184

■ 46.3853, 62.3484,  
61.1058

■ 51.2015, 64.7336,  
65.7412

■ 56.8596, 67.5481,  
70.6295

■ 63.4005, 70.8130,  
75.7756

# Harmonies

## Analogous

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



38.1006, 55.5457, 19.7122



32.2416, 55.5457, 38.3002



31.3445, 55.5457, 73.4994

# Triad

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



32.2416, 55.5457, 38.3002



57.1638, 55.5457, 165.5358



75.1151, 55.5457, 24.7512

# Complementary

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



32.2416, 55.5457, 38.3002



31.9454, 16.3299, 7.7764

# 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.



82.3058, 55.5457, 49.0964



32.2416, 55.5457, 38.3002



70.8506, 55.5457, 136.5287

# Square

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



32.2416, 55.5457, 38.3002



44.3416, 55.5457, 158.5856



80.6260, 55.5457, 89.9001



62.2588, 55.5457, 14.4868

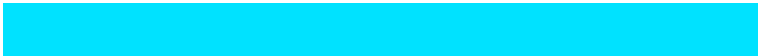


# Rectangle

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



32.2416, 55.5457, 38.3002



33.4961, 55.5457, 104.3788



80.6260, 55.5457, 89.9001



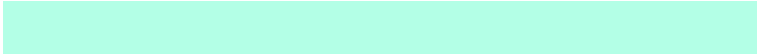
78.3656, 55.5457, 31.0237

# Sweetspot

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



32.2431, 55.5479, 38.3015



68.5273, 86.7611, 88.0464



29.5339, 54.7966, 9.0210



14.0539, 18.2661, 18.2722



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.



32.2431, 55.5479, 38.3015



43.1956, 74.4942, 51.0751



31.1566, 40.7847, 76.7537



13.9166, 15.4924, 16.5962



18.8215, 32.3534, 22.5806



1.3452, 2.2588, 1.7790



# Inverse Universe

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



31.9454, 16.3299, 7.7764



42.8057, 21.8863, 10.1748



31.4145, 17.1933, 1.6637



13.8905, 13.7738, 15.1935



18.6404, 9.5232, 4.7722

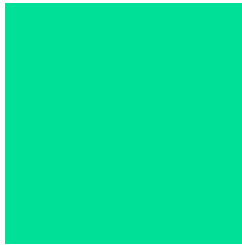


1.3322, 0.6762, 0.5424



# Previews

## White Background



This preview shows how the XYZ color 32.2416, 55.5457, 38.3002 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 32.2416, 55.5457, 38.3002 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 32.2416, 55.5457, 38.3002**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.2416, 55.5457, 38.3002.



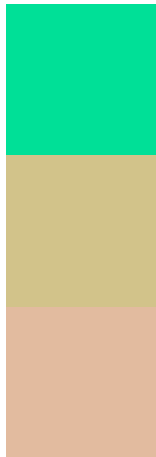
This preview shows how white text looks on a background with the XYZ color 32.2416, 55.5457,



# 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

32.2416, 55.5457, 38.3002

### Protanopia

50.6809, 54.5668, 31.9060

### Deuteranopia

55.3924, 54.2126, 40.3455



## Tritanopia

41.5309, 55.4404, 84.1135

# Trichromacy



## Original Color

32.2416, 55.5457, 38.3002



## Protanomaly

36.8607, 51.1941, 33.9253



## Deuteranomaly

38.1566, 49.6381, 39.0225



## Tritanomaly

36.9987, 55.0600, 64.5547

# Monochromacy



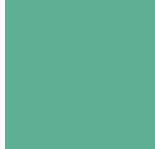
## Original Color

32.2416, 55.5457, 38.3002



## Achromatopsia

28.5667, 30.0544, 32.7292



## Achromatomaly

25.7497, 35.6856, 34.3850

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.2416, 55.5457, 38.3002 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(0, 224, 151)` looks like.

```
.text, #text, p{  
    color:rgb(0, 224, 151)  
}
```

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(0, 224, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 224, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 32.2416, 55.5457, 38.3002 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(0, 224, 151) }
```



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

```
.border{ border-color:rgb(0, 224, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 224, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 224, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 224, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 224,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.2416, 55.5457, 38.3002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 224, 151) }
```

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

```
.background{ background-color: rgb(0, 224,  
151) }
```

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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