

# Converting Colors

XYZ(38.6207, 63.7855, 52.7599)

Have a look what the booklet for  
XYZ(38.6207, 63.7855, 52.7599)  
contains.

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# Color

**XYZ(38.7517, 63.9936,  
52.9574)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16EDB3
RGB	22, 237, 179
RGB Percent	9%, 93%, 70%
CMY	0.9137, 0.0706, 0.2980
CMYK	0.91, 0.00, 0.24, 0.07
HSL	164°, 86%, 51%
HSV	164°, 91%, 93%
XYZ	38.7517, 63.9936, 52.9574
YIQ	166.1030, -109.5220, -63.6180

# Conversions

## Conversions Part 2

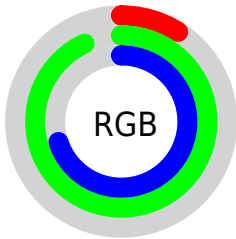
Format	Color
<a href="#">RYB</a>	<a href="#">22, 146, 237</a>
Decimal	<a href="#">1502643</a>
CIELab	<a href="#">83.96, -60.12, 15.06</a>
CIELCh	<a href="#">84, 61.976, 165.932</a>
Yxy	<a href="#">63.9936, 0.2489, 0.4110</a>
Android (android.graphics.Color)	<a href="#">4279692723 (0xFF16EDB3)</a>
YUV	<a href="#">166.1030, 6.3582, -126.3783</a>
Hunter-Lab	<a href="#">79.9960, -53.5239, 16.7472</a>

# Details

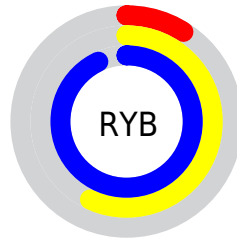
The XYZ color **38.7517, 63.9936, 52.9574** is a dark color, and the websafe version is hex **33FFCC**. The color can be described as middle washed spring green. A complement of this color would be **36.6622, 19.1591, 9.3588**, and the grayscale version is **36.3067, 38.1975, 41.5971**.

A 20% lighter version of the original color is **57.8256, 81.1630, 91.2156**, and **20.0872, 34.1489, 25.2714** is the 20% darker color. If you saturate the color by 10%, you get **37.8341, 63.5901, 49.8467**, and if you desaturate by 10%, it is **40.1982, 64.6644, 56.4814**.

# Distribution



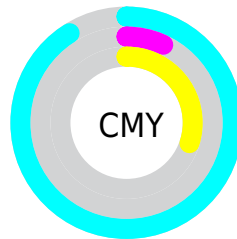
- Red (9%)
- Green (93%)
- Blue (70%)



- Red (9%)
- Yellow (57%)
- Blue (93%)



- Cyan (91%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)




- Cyan (91%)
- Magenta (7%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7517, 63.9936, 52.9574 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 38.7517, 63.9936, 52.9574 by changing the saturation by 10% instead.





 38.7517, 63.9936,  
52.9574


 38.7517, 63.9936,  
52.9574


332.0590,  
439.1665, 415.1833


 26.7465, 46.6455,  
37.3813


 72.5553, 110.6017,  
95.9826


 17.5185, 32.7555,  
25.2047


 95.0845, 140.6305,  
124.2687

 10.7024, 21.9392,  
16.0092


 121.8523,  
175.6550, 157.6286

 5.9329, 13.8122,  
9.3763

 153.2242,  
216.0596, 196.4808

 2.8446, 7.9902,  
4.8873

 189.5654,  
262.2286, 241.2438

 1.0721, 4.0887,  
2.1237

231.2414,

 0.0016, 1.7233,

314.5465, 292.3362

0.6298

278.6175,  
373.3977, 350.1766

■ 0.0000, 0.4387,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.7517, 63.9936,  
52.9574

■ 38.7517, 63.9936,  
52.9574


■ 37.8341, 63.5901,  
49.8467


■ 40.1982, 64.6644,  
56.4814


■ 42.2605, 65.6476,  
60.1914


■ 45.0258, 66.9897,  
64.0950


■ 48.5657, 68.7274,  
68.1974

 52.9427, 70.8930,  
72.5036

 58.2127, 73.5153,  
77.0181

 64.4268, 76.6206,  
81.7450

 71.6321, 80.2332,  
86.6886

 79.8725, 84.3755,  
91.8526

# Harmonies

## Analogous

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



43.8474, 63.9936, 29.3834



38.7517, 63.9936, 52.9574



38.9156, 63.9936, 92.4152

# Triad

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



38.7517, 63.9936, 52.9574



68.3168, 63.9936, 169.8329



80.9658, 63.9936, 28.4217

# Complementary

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



38.7517, 63.9936, 52.9574



36.6622, 19.1591, 9.3588

# 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.



89.7140, 63.9936, 51.0145



38.7517, 63.9936, 52.9574



81.6986, 63.9936, 136.1238

# Square

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



38.7517, 63.9936, 52.9574



54.6647, 63.9936, 170.9817



90.0007, 63.9936, 89.5930



67.4295, 63.9936, 19.2406



# Rectangle

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



38.7517, 63.9936, 52.9574



41.9510, 63.9936, 123.7515



90.0007, 63.9936, 89.5930



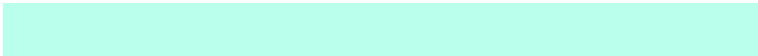
84.6474, 63.9936, 34.2212

# Sweetspot

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



38.7534, 63.9961, 52.9589



71.2483, 88.0588, 92.9227



33.9914, 62.4644, 11.0252



14.7378, 18.5925, 19.4855



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.



38.7534, 63.9961, 52.9589



44.6445, 75.0738, 58.7053



34.1232, 43.2960, 86.6822



15.3342, 17.0485, 18.4425



20.7129, 34.7396, 27.5168



1.6662, 2.7438, 2.3702



# Inverse Universe

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



36.6622, 19.1591, 9.3588



42.3079, 21.6872, 7.5534



37.1748, 22.2701, 3.0992



15.2324, 15.1208, 16.5090



19.6189, 10.0503, 3.7946

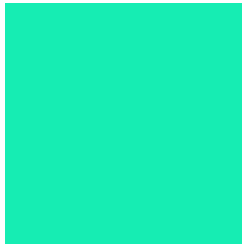


1.5796, 0.8048, 0.5036



# Previews

## White Background



This preview shows how the XYZ color 38.7517, 63.9936, 52.9574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

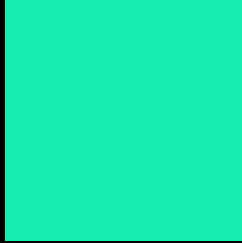
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.7517, 63.9936, 52.9574 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

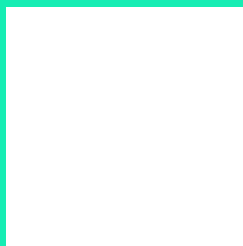
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.7517, 63.9936, 52.9574**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7517, 63.9936, 52.9574.



This preview shows how white text looks on a background with the XYZ color 38.7517, 63.9936,



# 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

38.7517, 63.9936, 52.9574

### Protanopia

58.9231, 62.7144, 44.5968

### Deuteranopia

63.8849, 62.5586, 55.7216



## Tritanopia

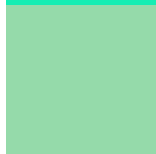
47.6738, 63.8219, 97.8019

# Trichromacy



## Original Color

38.7517, 63.9936, 52.9574



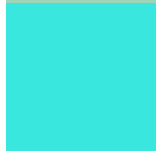
## Protanomaly

44.7215, 59.4346, 47.1452



## Deuteranomaly

46.5465, 58.3183, 54.1507



## Tritanomaly

43.5057, 63.3253, 79.0373

# Monochromacy



## Original Color

38.7517, 63.9936, 52.9574



## Achromatopsia

36.2450, 38.1326, 41.5264



## Achromatomaly

33.1398, 44.2170, 45.3162

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7517, 63.9936, 52.9574 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(22, 237, 179)` looks like.

```
.text, #text, p{  
    color:rgb(22, 237, 179)  
}
```

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(22, 237, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 237, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7517, 63.9936, 52.9574 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(22, 237, 179) }
```



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

```
.border{ border-color:rgb(22, 237, 179) }
```

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

Here you see how a box with a 4 pixel rgb(22, 237, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 237, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 237, 179);  
box-shadow:4px 4px 4px 4px rgb(22, 237,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7517, 63.9936, 52.9574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 237, 179) }
```

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

```
.background{ background-color: rgb(22, 237,  
179) }
```

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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