

# Converting Colors

XYZ(34.1010, 55.4649, 40.6661)

Have a look what the booklet for  
XYZ(34.1010, 55.4649, 40.6661)  
contains.

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# Color

**XYZ(34.2570, 55.7336,  
40.8504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FDE9D
RGB	63, 222, 157
RGB Percent	25%, 87%, 62%
CMY	0.7529, 0.1294, 0.3843
CMYK	0.72, 0.00, 0.29, 0.13
HSL	155°, 71%, 56%
HSV	155°, 72%, 87%
XYZ	34.2570, 55.7336, 40.8504
YIQ	167.0490, -73.8990, -53.9230

# Conversions

## Conversions Part 2

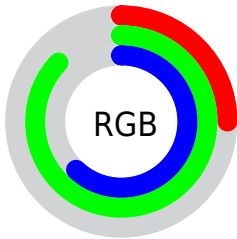
Format	Color
<a href="#">RYB</a>	<a href="#">63, 163, 222</a>
Decimal	<a href="#">4185757</a>
CIELab	<a href="#">79.46, -55.65, 20.34</a>
CIELCh	<a href="#">79, 59.247, 159.920</a>
Yxy	<a href="#">55.7336, 0.2618, 0.4260</a>
Android (android.graphics.Color)	<a href="#">4282375837 (0xFF3FDE9D)</a>
YUV	<a href="#">167.0490, -4.9542, -91.2510</a>
Hunter-Lab	<a href="#">74.6549, -48.7376, 19.8156</a>

# Details

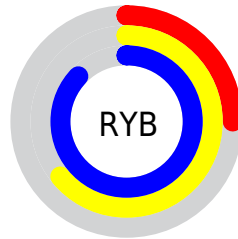
The XYZ color **34.2570, 55.7336, 40.8504** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **35.7999, 20.6445, 22.5225**, and the grayscale version is **36.8052, 38.7219, 42.1682**.

A 20% lighter version of the original color is **56.8496, 81.0193, 74.9294**, and **16.1860, 28.2924, 17.9725** is the 20% darker color. If you saturate the color by 10%, you get **32.3684, 54.8477, 36.8670**, and if you desaturate by 10%, it is **36.7774, 56.9415, 45.1664**.

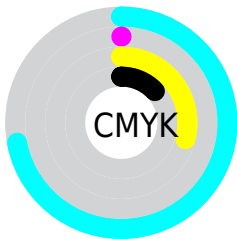
# Distribution



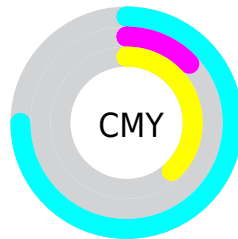
- Red (25%)
- Green (87%)
- Blue (62%)



- Red (25%)
- Yellow (64%)
- Blue (87%)



- Cyan (72%)
- Magenta (0%)
- Yellow (29%)
- Black (13%)




- Cyan (75%)
- Magenta (13%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2570, 55.7336, 40.8504 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 34.2570, 55.7336, 40.8504 by changing the saturation by 10% instead.





 34.2570, 55.7336,  
40.8504


 34.2570, 55.7336,  
40.8504


312.8423,  
408.6868, 365.3531


 23.2549, 39.9894,  
27.8834


 65.6748, 98.6150,  
77.7079


 14.9036, 27.5303,  
17.9995


 86.8212, 126.5209,  
102.4356

 8.8376, 17.9719,  
10.7802


 112.0797,  
159.2495, 131.9205

 4.6917, 10.9298,  
5.8069

 141.8158,  
197.1852, 166.5812

 2.1004, 6.0196,  
2.6611

176.3947,  
240.7124, 206.8363

 0.6894, 2.8570,  
0.9238

216.1819,

 0.0000, 1.0576,

290.2155, 253.1042

0.0000

261.5426,  
346.0788, 305.8037

■ 0.0000, 0.0000,  
0.0000

■ 34.2570, 55.7336,  
40.8504

■ 34.2570, 55.7336,  
40.8504

■ 32.3684, 54.8477,  
36.8670

■ 36.7774, 56.9415,  
45.1664

■ 31.0324, 54.2387,  
33.2023


■ 39.9876, 58.4967,  
49.8202


■ 30.2355, 53.8898,  
30.3678


■ 43.9438, 60.4296,  
54.8219


■ 48.6949, 62.7652,  
60.1796

■ 54.2854, 65.5264,  
65.9012

 60.7567, 68.7343,  
71.9942

 68.1470, 72.4086,  
78.4659

 76.4925, 76.5677,  
85.3233

 82.8958, 79.7179,  
92.4361

# Harmonies

## Analogous

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



39.6041, 55.7336, 23.0225



34.2570, 55.7336, 40.8504



33.4786, 55.7336, 72.6881

# Triad

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



34.2570, 55.7336, 40.8504



57.0136, 55.7336, 150.8342



72.5321, 55.7336, 27.5969

# Complementary

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



34.2570, 55.7336, 40.8504



35.7999, 20.6445, 22.5225

# 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.



78.8617, 55.7336, 50.0808



34.2570, 55.7336, 40.8504



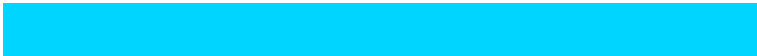
69.0556, 55.7336, 126.0982

# Square

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



34.2570, 55.7336, 40.8504



45.4987, 55.7336, 145.3890



77.5021, 55.7336, 86.0801



61.2244, 55.7336, 17.5986



# Rectangle

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



34.2570, 55.7336, 40.8504



35.5124, 55.7336, 99.5917



77.5021, 55.7336, 86.0801



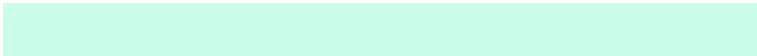
75.3841, 55.7336, 33.5149

# Sweetspot

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



34.2585, 55.7358, 40.8517



74.6919, 89.8893, 90.5852



36.1116, 57.2905, 13.8584



15.5026, 19.0003, 18.9102



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.



34.2585, 55.7358, 40.8517



43.3002, 74.6189, 47.8833



37.9757, 51.8113, 77.1088



13.8671, 15.4726, 16.3352



18.0151, 32.0309, 18.3346



1.2928, 2.2379, 1.5032



# Inverse Universe

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



35.7999, 20.6445, 22.5225



45.5862, 23.9934, 21.7494



33.6248, 21.0933, 7.0026



13.9384, 13.7930, 15.4456



19.0607, 9.6913, 6.9852

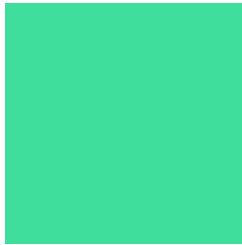


1.3648, 0.6892, 0.7140



# Previews

## White Background



This preview shows how the XYZ color 34.2570, 55.7336, 40.8504 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 34.2570, 55.7336, 40.8504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

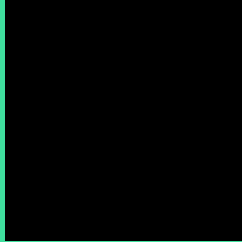
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

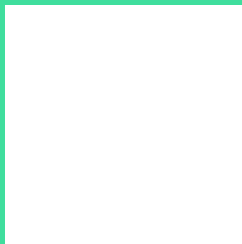
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 34.2570, 55.7336, 40.8504

## Background



This preview shows how black text looks on a background with the XYZ color 34.2570, 55.7336, 40.8504.



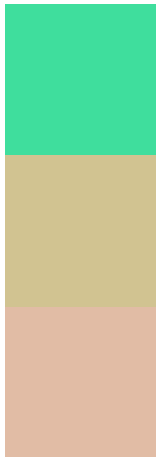
This preview shows how white text looks on a background with the XYZ color 34.2570, 55.7336,



# 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

34.2570, 55.7336, 40.8504

### Protanopia

50.9204, 54.6299, 34.6489

### Deuteranopia

55.8261, 54.6906, 43.2113



## Tritanopia

42.6933, 55.6814, 83.3603

# Trichromacy



## Original Color

34.2570, 55.7336, 40.8504



## Protanomaly

40.9664, 52.9005, 36.4854



## Deuteranomaly

42.9017, 52.0242, 41.9629



## Tritanomaly

38.9026, 55.2625, 65.1163

# Monochromacy



## Original Color

34.2570, 55.7336, 40.8504



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

33.4344, 42.8521, 41.1594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.2570, 55.7336, 40.8504 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(63, 222, 157)` looks like.

```
.text, #text, p{  
    color:rgb(63, 222, 157)  
}
```

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(63, 222, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 222, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 34.2570, 55.7336, 40.8504 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(63, 222, 157) }
```



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

```
.border{ border-color:rgb(63, 222, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 222, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 222, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 222, 157);  
box-shadow:4px 4px 4px 4px rgb(63, 222,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.2570, 55.7336, 40.8504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 222, 157) }
```

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

```
.background{ background-color: rgb(63, 222,  
157) }
```

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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