

# Converting Colors

XYZ(34.0590, 55.7648, 45.3823)

Have a look what the booklet for  
XYZ(34.0590, 55.7648, 45.3823)  
contains.

<b>XYZ(34.1994, 55.9967, 45.5652)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(34.1994, 55.9967,  
45.5652)**

# Conversions

## Conversions Part 1

Format	Color
Hex	27DFA7
RGB	39, 223, 167
RGB Percent	15%, 87%, 65%
CMY	0.8470, 0.1255, 0.3451
CMYK	0.83, 0.00, 0.25, 0.13
HSL	162°, 74%, 51%
HSV	162°, 83%, 87%
XYZ	34.1994, 55.9967, 45.5652
YIQ	161.6000, -91.6880, -56.4240

# Conversions

## Conversions Part 2

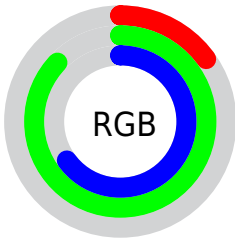
<b>Format</b>	<b>Color</b>
<b>RYB</b>	39, 148, 223
Decimal	2613159
CIELab	79.61, -56.49, 15.25
CIELCh	80, 58.514, 164.891
Yxy	55.9967, 0.2519, 0.4125
Android (android.graphics.Color)	4280803239 (0xFF27DFA7)
YUV	161.6000, 2.6622, -107.5202
Hunter-Lab	74.8309, -49.3757, 16.2795

# Details

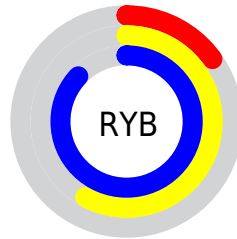
The XYZ color **34.1994, 55.9967, 45.5652** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **33.2244, 17.9666, 12.5457**, and the grayscale version is **34.1762, 35.9560, 39.1561**.

A 20% lighter version of the original color is **56.4160, 80.6455, 81.6999**, and **16.9132, 28.8752, 20.9017** is the 20% darker color. If you saturate the color by 10%, you get **32.9786, 55.4394, 42.3189**, and if you desaturate by 10%, it is **35.9517, 56.8270, 49.0108**.

# Distribution



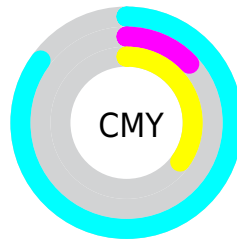
- Red (15%)
- Green (87%)
- Blue (65%)



- Red (15%)
- Yellow (58%)
- Blue (87%)



- Cyan (83%)
- Magenta (0%)
- Yellow (25%)
- Black (13%)




- Cyan (85%)
- Magenta (13%)
- Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1994, 55.9967, 45.5652 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 34.1994, 55.9967, 45.5652 by changing the saturation by 10% instead.





 34.1994, 55.9967,  
45.5652


 34.1994, 55.9967,  
45.5652


312.5905,  
409.6791, 385.2845


 23.2104, 40.2003,  
31.5567


 65.5859, 98.9998,  
84.8953


 14.8705, 27.6947,  
20.7611


 86.7141, 126.9752,  
111.0540


 8.8143, 18.0957,  
12.7599


 111.9528,  
159.7790, 142.0998

 4.6764, 11.0187,  
7.1347

 141.6673,  
197.7958, 178.4512

 2.0915, 6.0794,  
3.4667

 176.2229,  
241.4097, 220.5269

 0.6846, 2.8934,  
1.3376

215.9851,

 0.0000, 1.0763,

291.0053, 268.7453

0.0923

261.3192,  
346.9670, 323.5250

■ 0.0000, 0.0000,  
0.0000

■ 34.1994, 55.9967,  
45.5652

■ 34.1994, 55.9967,  
45.5652

■ 32.9786, 55.4394,  
42.3189

■ 35.9517, 56.8270,  
49.0108

■ 32.3159, 55.1482,  
40.0087

■ 38.3071, 57.9630,  
52.6578

■ 41.3305, 59.4394,  
56.5131

■ 45.0770, 61.2847,  
60.5817

■ 49.5959, 63.5240,  
64.8683

■ 54.9320, 66.1806,  
69.3773

■ 61.1264, 69.2756,  
74.1130

■ 68.2178, 72.8287,  
79.0794

■ 76.2420, 76.8585,  
84.2804

# Harmonies

## Analogous

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



38.7729, 55.9967, 25.5712



34.1994, 55.9967, 45.5652



34.1828, 55.9967, 79.2245

# Triad

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



34.1994, 55.9967, 45.5652



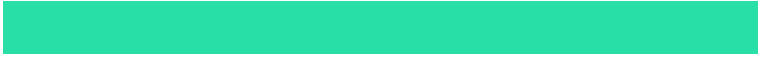
59.2644, 55.9967, 147.7025



70.9537, 55.9967, 25.6688

# Complementary

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



34.1994, 55.9967, 45.5652



33.2244, 17.9666, 12.5457

# 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.



78.2761, 55.9967, 45.7613



34.1994, 55.9967, 45.5652



70.8801, 55.9967, 119.5044

# Square

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



34.1994, 55.9967, 45.5652



47.5301, 55.9967, 147.5876



78.2473, 55.9967, 79.5080

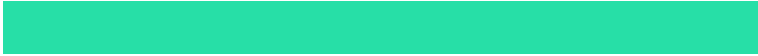


59.3536, 55.9967, 17.3154

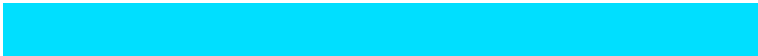


# Rectangle

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



34.1994, 55.9967, 45.5652



36.7095, 55.9967, 106.1617



78.2473, 55.9967, 79.5080



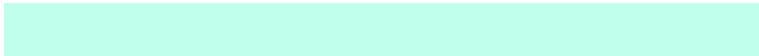
74.0681, 55.9967, 30.8620

# Sweetspot

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



34.2009, 55.9989, 45.5665



72.3906, 88.6615, 92.3481



31.7140, 55.4803, 10.9575



14.9421, 18.7021, 19.3021



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.



34.2009, 55.9989, 45.5665



43.8442, 74.7574, 54.3242



32.4128, 42.2714, 76.2655



13.9296, 15.4976, 16.6646



19.0530, 32.4461, 23.8001



1.3599, 2.2647, 1.8565



# Inverse Universe

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



33.2244, 17.9666, 12.5457



42.6931, 21.8855, 9.4453



33.1645, 20.5662, 4.1419



13.8781, 13.7689, 15.1283



18.5486, 9.4864, 4.2887

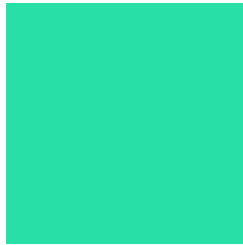


1.3247, 0.6731, 0.5026



# Previews

## White Background



This preview shows how the XYZ color 34.1994, 55.9967, 45.5652 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 34.1994, 55.9967, 45.5652 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

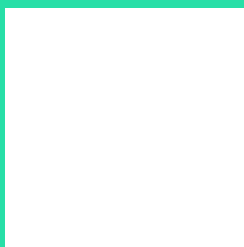
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.1994, 55.9967, 45.5652**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1994, 55.9967, 45.5652.



This preview shows how white text looks on a background with the XYZ color 34.1994, 55.9967,



# 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

34.1994, 55.9967, 45.5652

### Protanopia

51.3603, 54.7732, 38.4372

### Deuteranopia

55.8453, 54.5912, 48.1512



## Tritanopia

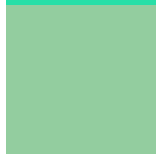
41.9203, 55.6248, 84.8712

# Trichromacy



## Original Color

34.1994, 55.9967, 45.5652



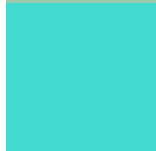
## Protanomaly

40.1220, 52.3689, 40.7944



## Deuteranomaly

41.8506, 51.7204, 46.8070



## Tritanomaly

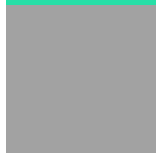
38.3780, 55.3036, 68.3264

# Monochromacy



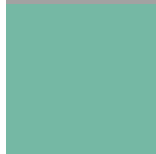
## Original Color

34.1994, 55.9967, 45.5652



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

31.1774, 40.7432, 41.3430

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1994, 55.9967, 45.5652 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(39, 223, 167)` looks like.

```
.text, #text, p{  
    color:rgb(39, 223, 167)  
}
```

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(39, 223, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 223, 167) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1994, 55.9967, 45.5652 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(39, 223, 167) }
```



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

```
.border{ border-color:rgb(39, 223, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 223, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 223, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 223, 167);  
box-shadow:4px 4px 4px 4px rgb(39, 223,  
167) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1994, 55.9967, 45.5652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 223, 167) }
```

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

```
.background{ background-color: rgb(39, 223,  
167) }
```

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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