

# Converting Colors

XYZ(37.4553, 54.6078, 26.7840)

Have a look what the booklet for  
XYZ(37.4553, 54.6078, 26.7840)  
contains.

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# Color

**XYZ(37.4894, 54.6245,  
26.6568)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D679
RGB	135, 214, 121
RGB Percent	53%, 84%, 47%
CMY	0.4706, 0.1608, 0.5255
CMYK	0.37, 0.00, 0.43, 0.16
HSL	111°, 53%, 66%
HSV	111°, 43%, 84%
XYZ	37.4894, 54.6245, 26.6568
YIQ	179.7770, -17.2310, -45.6710

# Conversions

## Conversions Part 2

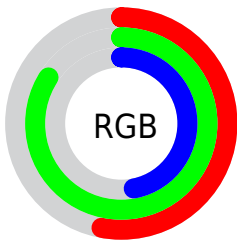
Format	Color
<a href="#">RYB</a>	<a href="#">121, 214, 200</a>
Decimal	<a href="#">8902265</a>
CIELab	<a href="#">78.82, -42.04, 38.37</a>
CIELCh	<a href="#">79, 56.921, 137.611</a>
Yxy	<a href="#">54.6245, 0.3156, 0.4599</a>
Android (android.graphics.Color)	<a href="#">4287092345 (0xFF87D679)</a>
YUV	<a href="#">179.7770, -28.9771, -39.2694</a>
Hunter-Lab	<a href="#">73.9084, -38.7971, 30.3515</a>

# Details

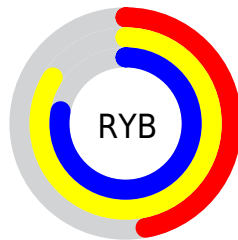
The XYZ color **37.4894, 54.6245, 26.6568** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **42.7969, 30.8108, 67.3127**, and the grayscale version is **43.4210, 45.6823, 49.7480**.

A 20% lighter version of the original color is **64.9837, 85.6915, 53.6726**, and **16.8119, 26.9439, 10.1090** is the 20% darker color. If you saturate the color by 10%, you get **33.6408, 52.7773, 20.3698**, and if you desaturate by 10%, it is **42.1313, 56.8503, 34.5027**.

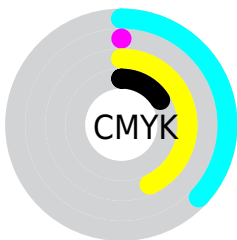
# Distribution



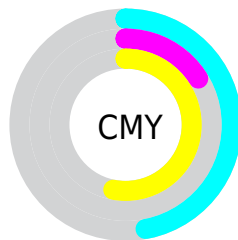
- Red (53%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (43%)
- Black (16%)




- Cyan (47%)
- Magenta (16%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4894, 54.6245, 26.6568 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 37.4894, 54.6245, 26.6568 by changing the saturation by 10% instead.




 37.4894, 54.6245,  
26.6568


 37.4894, 54.6245,  
26.6568


326.7434,  
404.4870, 299.6990


 25.7620, 39.1012,  
17.0855


 70.6338, 96.9906,  
55.3297

 16.7775, 26.8384,  
10.1329

 92.7816, 124.6021,  
75.2683

 10.1703, 17.4519,  
5.3804

 119.1335,  
157.0118, 99.4998

 5.5751, 10.5572,  
2.4095

150.0550,  
194.6041, 128.4427

 2.6267, 5.7699,  
0.7916

185.9114,  
237.7634, 162.5155

 0.9596, 2.7057,  
0.0000

227.0680,

 0.0000, 0.9801,

286.8740, 202.1368

0.0000

273.8902,  
342.3204, 247.7251

■ 0.0000, 0.0000,  
0.0000

■ 37.4894, 54.6245,  
26.6568

■ 37.4894, 54.6245,  
26.6568

■ 33.6408, 52.7773,  
20.3698

■ 42.1313, 56.8503,  
34.5027

■ 30.5366, 51.2808,  
15.5344

■ 47.6037, 59.4669,  
43.9982

■ 28.1287, 50.1144,  
12.0355


■ 53.9463, 62.4946,  
55.2312


■ 26.3614, 49.2524,  
9.7388

■ 61.1950, 65.9501,  
68.2824

■ 25.1701, 48.6648,  
8.4821

■ 69.3838, 69.8492,  
83.2275

 24.6499, 48.4058,  
8.0441

 78.5447, 74.2071,  
100.1378

 83.3377, 76.5754,  
104.9959

# Harmonies

## Analogous

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



45.6289, 54.6245, 17.7409



37.4894, 54.6245, 26.6568



33.4837, 54.6245, 47.1188

# Triad

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



37.4894, 54.6245, 26.6568



47.4026, 54.6245, 143.1252



75.4597, 54.6245, 42.5920

# Complementary

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



37.4894, 54.6245, 26.6568



42.7969, 30.8108, 67.3127

# 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.



76.1178, 54.6245, 73.8261



37.4894, 54.6245, 26.6568



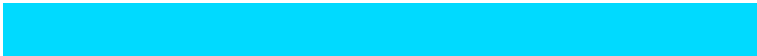
58.7620, 54.6245, 140.5111

# Square

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



37.4894, 54.6245, 26.6568



38.6253, 54.6245, 118.1695



69.6443, 54.6245, 111.9576



67.9586, 54.6245, 24.3813

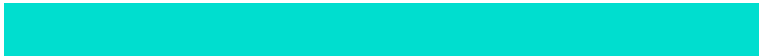


# Rectangle

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



37.4894, 54.6245, 26.6568



33.2498, 54.6245, 68.0895



69.6443, 54.6245, 111.9576



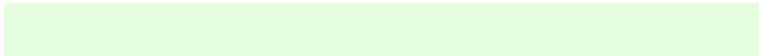
76.5239, 54.6245, 51.6228

# Sweetspot

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



37.4908, 54.6268, 26.6580



80.5527, 93.0907, 82.7246



51.4937, 56.2963, 26.2422



16.7649, 19.6978, 16.8560



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.



37.4908, 54.6268, 26.6580



50.5146, 78.7176, 31.0742



37.6009, 54.4276, 38.2309



12.4347, 13.9848, 13.2047



14.9534, 29.2851, 4.8645



0.9583, 1.7954, 0.2960



# Inverse Universe

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



42.7969, 30.8108, 67.3127



59.3336, 38.9068, 98.9903



43.1181, 31.3912, 48.5883



12.7608, 12.5336, 15.6842



19.0372, 8.9666, 39.1805



1.1992, 0.5671, 2.3656



# Previews

## White Background



This preview shows how the XYZ color 37.4894, 54.6245, 26.6568 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 37.4894, 54.6245, 26.6568 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

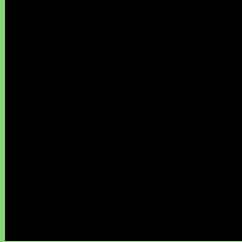
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 37.4894, 54.6245, 26.6568**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.4894, 54.6245, 26.6568.



This preview shows how white text looks on a background with the XYZ color 37.4894, 54.6245,



# 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

37.4894, 54.6245, 26.6568

### Protanopia

49.7696, 53.9446, 23.7088

### Deuteranopia

55.0595, 54.0000, 27.9432



## Tritanopia

47.2790, 54.5986, 75.0646

# Trichromacy



## Original Color

37.4894, 54.6245, 26.6568



## Protanomaly

44.1051, 53.3719, 24.8068



## Deuteranomaly

46.4676, 52.8308, 27.1503



## Tritanomaly

42.7141, 54.1555, 53.0015

# Monochromacy



## Original Color

37.4894, 54.6245, 26.6568



## Achromatopsia

43.3819, 45.6411, 49.7032



## Achromatomaly

40.4175, 48.0950, 39.9539

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4894, 54.6245, 26.6568 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(135, 214, 121)` looks like.

```
.text, #text, p{  
    color:rgb(135, 214, 121)  
}
```

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(135, 214, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 214, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4894, 54.6245, 26.6568 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(135, 214, 121) }
```



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

```
.border{ border-color:rgb(135, 214, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 214, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 214, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 214, 121);  
box-shadow:4px 4px 4px 4px rgb(135, 214,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4894, 54.6245, 26.6568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 214, 121) }
```

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

```
.background{ background-color: rgb(135,  
214, 121) }
```

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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