

# Converting Colors

XYZ(34.4703, 56.4205, 32.7404)

Have a look what the booklet for  
XYZ(34.4703, 56.4205, 32.7404)  
contains.

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# Color

**XYZ(34.4703, 56.4205,  
32.7404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53DF89
RGB	83, 223, 137
RGB Percent	33%, 87%, 54%
CMY	0.6745, 0.1255, 0.4627
CMYK	0.63, 0.00, 0.39, 0.13
HSL	143°, 69%, 60%
HSV	143°, 63%, 87%
XYZ	34.4703, 56.4205, 32.7404
YIQ	171.3360, -55.8340, -56.4260

# Conversions

## Conversions Part 2

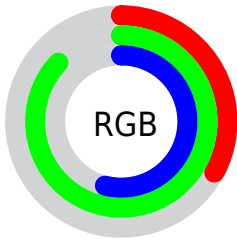
Format	Color
R <sub>Y</sub> B	83, 184, 223
Decimal	5496713
CIE Lab	79.85, -56.59, 31.27
CIE LCh	80, 64.658, 151.075
Yxy	56.4205, 0.2788, 0.4564
Android (android.graphics.Color)	4283686793 (0xFF53DF89)
YUV	171.3360, -16.9276, -77.4707
Hunter-Lab	75.1136, -49.5335, 26.7363

# Details

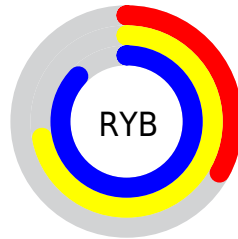
The XYZ color **34.4703, 56.4205, 32.7404** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **40.6878, 24.7402, 40.1687**, and the grayscale version is **38.9815, 41.0116, 44.6616**.

A 20% lighter version of the original color is **56.8410, 81.3013, 61.9871**, and **15.4984, 28.3093, 13.4515** is the 20% darker color. If you saturate the color by 10%, you get **31.8891, 55.1978, 27.8122**, and if you desaturate by 10%, it is **37.8117, 58.0238, 38.3580**.

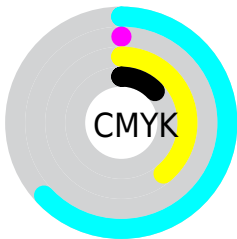
# Distribution



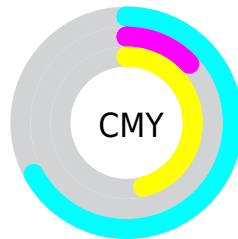
- Red (33%)
- Green (87%)
- Blue (54%)



- Red (33%)
- Yellow (72%)
- Blue (87%)



- Cyan (63%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)




- Cyan (67%)
- Magenta (13%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4703, 56.4205, 32.7404 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 34.4703, 56.4205, 32.7404 by changing the saturation by 10% instead.





 34.4703, 56.4205,  
32.7404


 34.4703, 56.4205,  
32.7404


313.7732,  
411.2743, 329.0744


 23.4197, 40.5402,  
21.6582


 66.0038, 99.6191,  
65.0813


 15.0261, 27.9600,  
13.4100


 87.2174, 127.7062,  
87.1771

 8.9242, 18.2955,  
7.5775


 112.5495,  
160.6310, 113.7812

 4.7485, 11.1623,  
3.7419

 142.3653,  
198.7779, 145.3121

 2.1337, 6.1761,  
1.4849

177.0302,  
242.5312, 182.1883

 0.7074, 2.9525,  
0.2066

216.9096,

 0.0000, 1.1070,

292.2755, 224.8284

0.0000

262.3688,  
348.3951, 273.6509

■ 0.0000, 0.0000,  
0.0000

■ 34.4703, 56.4205,  
32.7404

■ 34.4703, 56.4205,  
32.7404

■ 31.8891, 55.1978,  
27.8122

■ 37.8117, 58.0238,  
38.3580

■ 29.9959, 54.3144,  
23.5421

■ 41.9683, 60.0308,  
44.6869

■ 28.7111, 53.7313,  
19.9016

■ 46.9945, 62.4707,  
51.7528

■ 28.0691, 53.4496,  
17.6447

■ 52.9388, 65.3680,  
59.5790

■ 59.8460, 68.7455,  
68.1875

67.7579, 72.6241,  
77.5996

76.7137, 77.0236,  
87.8357

84.3546, 80.7278,  
98.8032

85.6787, 81.2575,  
105.7762

# Harmonies

## Analogous

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



41.6522, 56.4205, 18.0578



34.4703, 56.4205, 32.7404



32.1866, 56.4205, 62.7946

# Triad

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



34.4703, 56.4205, 32.7404



54.0996, 56.4205, 165.4033



78.2097, 56.4205, 31.2247

# Complementary

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



34.4703, 56.4205, 32.7404



40.6878, 24.7402, 40.1687

# 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.



82.9429, 56.4205, 60.0899



34.4703, 56.4205, 32.7404



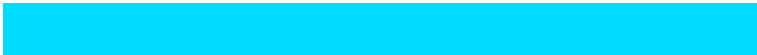
67.6993, 56.4205, 146.1971

# Square

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



34.4703, 56.4205, 32.7404



42.3471, 56.4205, 148.6209



78.8185, 56.4205, 103.3234



66.7484, 56.4205, 17.4665



# Rectangle

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



34.4703, 56.4205, 32.7404



33.3966, 56.4205, 91.1790



78.8185, 56.4205, 103.3234



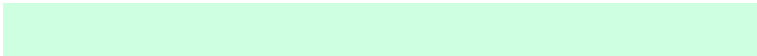
80.7168, 56.4205, 38.9810

# Sweetspot

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



34.4717, 56.4228, 32.7417



74.9896, 90.1699, 84.8565



44.3847, 61.8743, 17.7877



15.4966, 19.0293, 17.4618



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.



34.4717, 56.4228, 32.7417



42.4107, 74.4227, 35.9917



41.1784, 59.1055, 68.0586



13.7465, 15.4243, 15.7003



16.5548, 31.4468, 10.6447



1.1903, 2.1969, 0.9635



# Inverse Universe

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



40.6878, 24.7402, 40.1687



51.4237, 28.2444, 46.5827



35.7943, 22.7827, 14.3996



14.0593, 13.8413, 16.0824



20.6044, 10.3088, 15.1146

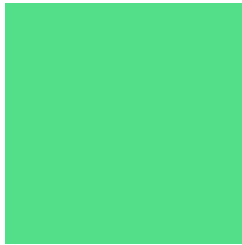


1.4716, 0.7319, 1.2761



# Previews

## White Background



This preview shows how the XYZ color 34.4703, 56.4205, 32.7404 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 34.4703, 56.4205, 32.7404 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 34.4703, 56.4205, 32.7404**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4703, 56.4205, 32.7404.



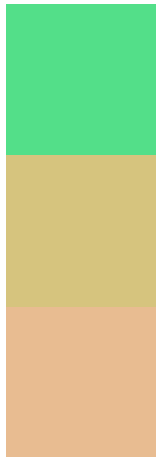
This preview shows how white text looks on a background with the XYZ color 34.4703, 56.4205,



# 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

34.4703, 56.4205, 32.7404

### Protanopia

51.2374, 55.2824, 27.7087

### Deuteranopia

56.3728, 55.1666, 34.4651



## Tritanopia

44.3684, 56.1889, 82.6358

# Trichromacy



## Original Color

34.4703, 56.4205, 32.7404



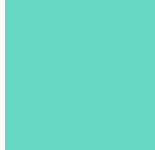
## Protanomaly

41.8265, 53.8613, 29.3109



## Deuteranomaly

44.1292, 53.1913, 33.5323



## Tritanomaly

39.8865, 55.8640, 60.9051

# Monochromacy



## Original Color

34.4703, 56.4205, 32.7404



## Achromatopsia

38.7082, 40.7240, 44.3485



## Achromatomaly

35.3189, 44.8191, 39.5903

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4703, 56.4205, 32.7404 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(83, 223, 137)` looks like.

```
.text, #text, p{  
    color:rgb(83, 223, 137)  
}
```

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(83, 223, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 223, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4703, 56.4205, 32.7404 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(83, 223, 137) }
```



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

```
.border{ border-color:rgb(83, 223, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 223, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 223, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 223, 137);  
box-shadow:4px 4px 4px 4px rgb(83, 223,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4703, 56.4205, 32.7404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 223, 137) }
```

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

```
.background{ background-color: rgb(83, 223,  
137) }
```

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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