

# Converting Colors

XYZ(34.7896, 51.5323, 19.4224)

Have a look what the booklet for  
XYZ(34.7896, 51.5323, 19.4224)  
contains.

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# Color

**XYZ(34.7896, 51.5323,  
19.4224)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	86D161
RGB	134, 209, 97
RGB Percent	53%, 82%, 38%
CMY	0.4745, 0.1804, 0.6196
CMYK	0.36, 0.00, 0.54, 0.18
HSL	100°, 55%, 60%
HSV	100°, 54%, 82%
XYZ	34.7896, 51.5323, 19.4224
YIQ	173.8070, -8.7480, -50.7320

# Conversions

## Conversions Part 2

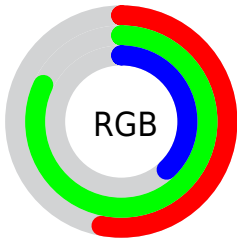
Format	Color
<b>RYB</b>	97, 209, 172
Decimal	8835425
CIELab	77.00, -43.20, 47.76
CIELCh	77, 64.401, 132.130
Yxy	51.5323, 0.3290, 0.4873
Android (android.graphics.Color)	4287025505 (0xFF86D161)
YUV	173.8070, -37.8659, -34.9107
Hunter-Lab	71.7860, -39.1192, 34.2087

# Details

The XYZ color **34.7896, 51.5323, 19.4224** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **32.7991, 21.9252, 62.8277**, and the grayscale version is **40.3256, 42.4256, 46.2015**.

A 20% lighter version of the original color is **62.7509, 84.7984, 41.9146**, and **15.2537, 24.9629, 6.4970** is the 20% darker color. If you saturate the color by 10%, you get **31.8558, 50.1196, 14.8513**, and if you desaturate by 10%, it is **38.2779, 53.2043, 25.3615**.

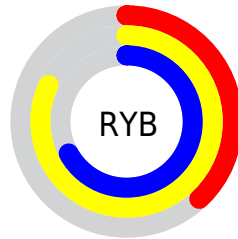
# Distribution



Red (53%)

Green (82%)

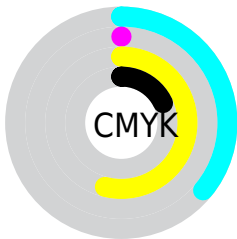
Blue (38%)



Red (38%)

Yellow (82%)

Blue (67%)

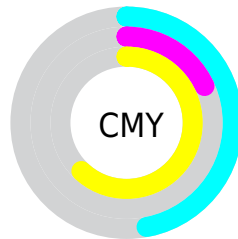


Cyan (36%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (47%)

Magenta (18%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7896, 51.5323, 19.4224 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 34.7896, 51.5323, 19.4224 by changing the saturation by 10% instead.



■ 34.7896, 51.5323,  
19.4224

■ 34.7896, 51.5323,  
19.4224

315.1630,  
392.6284, 261.2708

■ 23.6666, 36.6324,  
11.7960

■ 66.4959, 92.4411,  
43.2928

■ 15.2099, 24.9230,  
6.4841

■ 87.8098, 119.2188,  
60.3739

■ 9.0541, 16.0197,  
3.0681

■ 113.2515,  
150.7246, 81.4436

■ 4.8339, 9.5381,  
1.1295

■ 143.1863,  
187.3429, 106.9205

■ 2.1839, 5.0938,  
0.0000

177.9794,  
229.4580, 137.2232

■ 0.7342, 2.3024,  
0.0000

217.9964,

■ 0.0000, 0.7750,

277.4543, 172.7701

0.0000

263.6024,  
331.7163, 213.9798

■ 0.0000, 0.0000,  
0.0000

■ 34.7896, 51.5323,  
19.4224

■ 34.7896, 51.5323,  
19.4224

■ 31.8558, 50.1196,  
14.8513

■ 38.2779, 53.2043,  
25.3615

■ 29.4407, 48.9454,  
11.5356

■ 42.3463, 55.1421,  
32.7627

■ 27.5093, 47.9962,  
9.3506

■ 47.0230, 57.3597,  
41.7155

■ 26.0198, 47.2535,  
8.1439

■ 52.3332, 59.8684,  
52.3013

■ 25.2586, 46.8697,  
7.7155

■ 58.3007, 62.6788,  
64.5960

■ 64.9480, 65.8010,  
78.6705

■ 72.2963, 69.2444,  
94.5918

■ 78.8478, 72.4108,  
104.4287

■ 82.0915, 74.0831,  
104.5805

# Harmonies

## Analogous

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



44.1851, 51.5323, 12.5694



34.7896, 51.5323, 19.4224



29.7726, 51.5323, 37.8157

# Triad

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



34.7896, 51.5323, 19.4224



42.0872, 51.5323, 148.1864



75.8743, 51.5323, 43.0689

# Complementary

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



34.7896, 51.5323, 19.4224



32.7991, 21.9252, 62.8277

# 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.



75.0580, 51.5323, 79.5179



34.7896, 51.5323, 19.4224



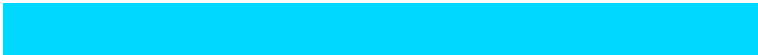
54.1096, 51.5323, 151.5598

# Square

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



34.7896, 51.5323, 19.4224



33.4757, 51.5323, 114.7781



66.5834, 51.5323, 122.6669



68.6559, 51.5323, 21.8795

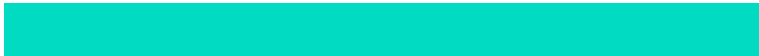


# Rectangle

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



34.7896, 51.5323, 19.4224



28.9743, 51.5323, 58.6602



66.5834, 51.5323, 122.6669



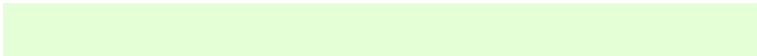
76.5601, 51.5323, 53.6346

# Sweetspot

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



34.7908, 51.5345, 19.4235



79.8158, 92.8265, 77.4629



43.1435, 43.7989, 17.4902



16.7066, 19.6905, 15.8246



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.



34.7908, 51.5345, 19.4235



49.4854, 78.3736, 22.5989



30.8649, 49.3979, 24.3306



12.0189, 13.3932, 12.5637



15.6663, 28.9453, 4.7613



0.9591, 1.6613, 0.2701



# Inverse Universe

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



32.7991, 21.9252, 62.8277



45.9717, 27.2698, 97.4484



39.9019, 25.8384, 51.7931



11.9155, 11.8053, 14.8943



13.8682, 6.3296, 37.6833



0.8573, 0.3961, 2.1108



# Previews

## White Background



This preview shows how the XYZ color 34.7896, 51.5323, 19.4224 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 34.7896, 51.5323, 19.4224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

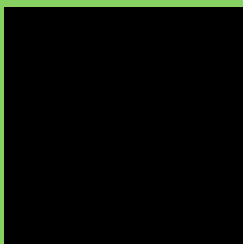
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

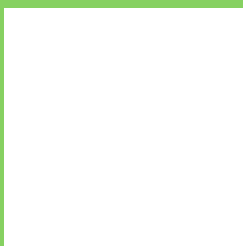
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.7896, 51.5323, 19.4224**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7896, 51.5323, 19.4224.



This preview shows how white text looks on a background with the XYZ color 34.7896, 51.5323,



# 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

34.7896, 51.5323, 19.4224

### Protanopia

46.3804, 50.7058, 17.2402

### Deuteranopia

51.7749, 50.6309, 20.1406



## Tritanopia

44.9868, 51.4583, 69.8487

# Trichromacy



## Original Color

34.7896, 51.5323, 19.4224



## Protanomaly

41.0071, 50.2153, 17.8871



## Deuteranomaly

43.7447, 49.9370, 19.6451



## Tritanomaly

39.9964, 50.7866, 45.7250

# Monochromacy



## Original Color

34.7896, 51.5323, 19.4224



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

37.2567, 44.9869, 33.9138

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7896, 51.5323, 19.4224 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(134, 209, 97)` looks like.

```
.text, #text, p{  
    color:rgb(134, 209, 97)  
}
```

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(134, 209, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 209, 97) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7896, 51.5323, 19.4224 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(134, 209, 97) }
```



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

```
.border{ border-color:rgb(134, 209, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 209, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 209, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 209, 97);  
box-shadow:4px 4px 4px 4px rgb(134, 209,  
97) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7896, 51.5323, 19.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 209, 97) }
```

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

```
.background{ background-color: rgb(134,  
209, 97) }
```

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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