

# Converting Colors

XYZ(51.4490, 66.4866, 34.7000)

Have a look what the booklet for  
XYZ(51.4490, 66.4866, 34.7000)  
contains.

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# Color

**XYZ(51.3850, 66.3241,  
34.5196)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7E28B
RGB	183, 226, 139
RGB Percent	72%, 89%, 55%
CMY	0.2824, 0.1137, 0.4549
CMYK	0.19, 0.00, 0.38, 0.11
HSL	90°, 60%, 72%
HSV	90°, 38%, 89%
XYZ	51.3850, 66.3241, 34.5196
YIQ	203.2250, 2.2990, -36.1730

# Conversions

## Conversions Part 2

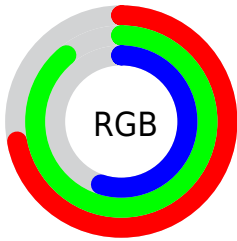
Format	Color
<a href="#">RYB</a>	<a href="#">139, 226, 182</a>
Decimal	<a href="#">12051083</a>
CIELab	<a href="#">85.16, -28.72, 38.04</a>
CIElCh	<a href="#">85, 47.666, 127.052</a>
Yxy	<a href="#">66.3241, 0.3376, 0.4357</a>
Android (android.graphics.Color)	<a href="#">4290241163</a> ( <a href="#">0xFFB7E28B</a> )
YUV	<a href="#">203.2250, -31.6629, -17.7373</a>
Hunter-Lab	<a href="#">81.4396, -29.8933, 31.8766</a>

# Details

The XYZ color **51.3850, 66.3241, 34.5196** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.2542, 33.9032, 76.2721**, and the grayscale version is **57.0994, 60.0731, 65.4196**.

A 20% lighter version of the original color is **81.3208, 93.8955, 64.2897**, and **24.9971, 34.0268, 14.2672** is the 20% darker color. If you saturate the color by 10%, you get **47.3493, 64.4172, 26.5840**, and if you desaturate by 10%, it is **55.9763, 68.4821, 44.2657**.

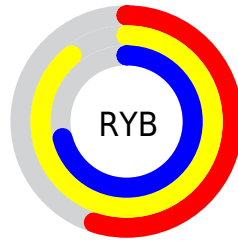
# Distribution



Red (72%)

Green (89%)

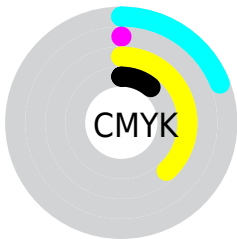
Blue (55%)



Red (55%)

Yellow (89%)

Blue (71%)

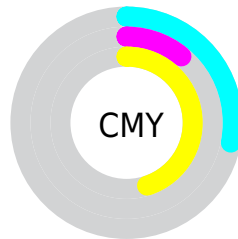


Cyan (19%)

Magenta (0%)

Yellow (38%)

Black (11%)



Cyan (28%)

Magenta (11%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.3850, 66.3241, 34.5196 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 51.3850, 66.3241, 34.5196 by changing the saturation by 10% instead.





 51.3850, 66.3241,  
34.5196

 51.3850, 66.3241,  
34.5196


382.4208,  
447.5351, 337.2824


 36.7374, 48.5355,  
23.0125


 91.4032, 113.9514,  
67.8840

 25.1770, 34.2512,  
14.3973


 117.5045,  
144.5589, 90.5783

 16.3384, 23.0866,  
8.2556

 148.1545,  
180.2082, 117.8388

 9.8563, 14.6575,  
4.1688

183.7184,  
221.2836, 150.0840

 5.3653, 8.5794,  
1.7184

224.5616,  
268.1697, 187.7324

 2.5001, 4.4678,  
0.3733

271.0495,

 0.8953, 1.9386,

321.2507, 231.2025

0.0000

323.5475,  
380.9110, 280.9130

0.0000, 0.5714,  
0.0000

0.0000, 0.0000,  
0.0000

51.3850, 66.3241,  
34.5196

51.3850, 66.3241,  
34.5196

47.3493, 64.4172,  
26.5840

55.9763, 68.4821,  
44.2657

43.8383, 62.7417,  
20.3428

61.1424, 70.8927,  
55.9204

40.8249, 61.2885,  
15.6732

66.9073, 73.5683,  
69.5796

38.2772, 60.0441,  
12.4340

73.2924, 76.5179,  
85.3317

■ 36.1581, 58.9932,  
10.4584

■ 80.3175, 79.7499,  
103.2597

■ 34.4152, 58.1141,  
9.5009

■ 84.6821, 81.9447,  
105.9614

■ 34.1753, 57.9926,  
9.3925

■ 86.4878, 82.8755,  
106.0459

# Harmonies

## Analogous

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



60.5350, 66.3241, 27.9521



51.3850, 66.3241, 34.5196



45.8538, 66.3241, 51.5030

# Triad

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



51.3850, 66.3241, 34.5196



55.3171, 66.3241, 141.6094



85.8627, 66.3241, 65.1883

# Complementary

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



51.3850, 66.3241, 34.5196



42.2542, 33.9032, 76.2721

# Split Complementary

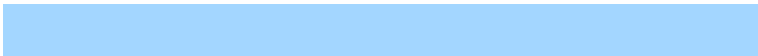
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0572, 66.3241, 97.8481



51.3850, 66.3241, 34.5196



65.6112, 66.3241, 148.3533

# Square

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



51.3850, 66.3241, 34.5196



47.9372, 66.3241, 114.0871



76.3341, 66.3241, 130.5247



81.0199, 66.3241, 42.0931



# Rectangle

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



51.3850, 66.3241, 34.5196



44.5648, 66.3241, 69.2128



76.3341, 66.3241, 130.5247



86.0213, 66.3241, 75.3042

# Sweetspot

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



51.3867, 66.3270, 34.5210



85.1615, 95.4269, 84.7365



52.5608, 51.1033, 31.5207



18.0130, 20.3255, 17.6260



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

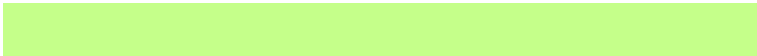


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.3867, 66.3270, 34.5210



63.3568, 85.2192, 37.0407



42.7498, 61.8745, 34.1168



14.1861, 15.6761, 14.5849



19.6334, 33.1539, 5.3646



1.4642, 2.3513, 0.3767



# Inverse Universe

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



42.2542, 33.9032, 76.2721



49.7774, 37.0039, 99.1267



53.8740, 39.8933, 76.8159



13.5941, 13.5743, 17.2913



11.7593, 5.1574, 41.4241



0.9183, 0.4107, 2.8761



# Previews

## White Background



This preview shows how the XYZ color 51.3850, 66.3241, 34.5196 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 51.3850, 66.3241, 34.5196 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 51.3850, 66.3241, 34.5196**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.3850, 66.3241, 34.5196.



This preview shows how white text looks on a background with the XYZ color 51.3850, 66.3241,



# 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

51.3850, 66.3241, 34.5196

### Protanopia

60.8016, 65.7971, 32.0498

### Deuteranopia

67.2630, 65.7963, 35.5404



## Tritanopia

61.6309, 66.1628, 85.8663

# Trichromacy



## Original Color

51.3850, 66.3241, 34.5196

## Protanomaly

56.9883, 65.6994, 32.9702

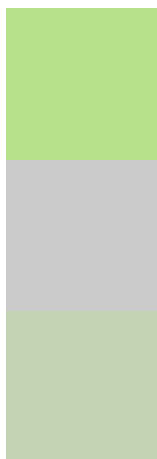
## Deuteranomaly

60.1717, 65.0355, 34.9729

## Tritanomaly

57.0104, 65.8166, 63.1252

# Monochromacy



## Original Color

51.3850, 66.3241, 34.5196

## Achromatopsia

56.7640, 59.7202, 65.0353

## Achromatomaly

54.2974, 61.6196, 52.2120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.3850, 66.3241, 34.5196 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(183, 226, 139)` looks like.

```
.text, #text, p{  
    color:rgb(183, 226, 139)  
}
```

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(183, 226, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 226, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 51.3850, 66.3241, 34.5196 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(183, 226, 139) }
```



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

```
.border{ border-color:rgb(183, 226, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 226, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 226, 139); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 226, 139); box-shadow:4px 4px 4px 4px rgb(183, 226, 139) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.3850, 66.3241, 34.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 226, 139) }
```

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

```
.background{ background-color: rgb(183,  
226, 139) }
```

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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