

# Converting Colors

XYZ(51.4085, 60.8879, 34.6349)

Have a look what the booklet for  
XYZ(51.4085, 60.8879, 34.6349)  
contains.

<b>XYZ(51.4519, 60.9103, 34.6362)</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(51.4519, 60.9103,  
34.6362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5D48E
RGB	197, 212, 142
RGB Percent	77%, 83%, 56%
CMY	0.2275, 0.1686, 0.4431
CMYK	0.07, 0.00, 0.33, 0.17
HSL	73°, 45%, 69%
HSV	73°, 33%, 83%
XYZ	51.4519, 60.9103, 34.6362
YIQ	199.5350, 13.5300, -24.9500

# Conversions

## Conversions Part 2

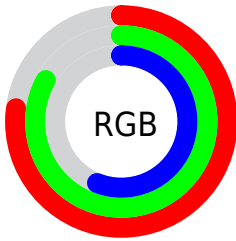
Format	Color
<a href="#">RYB</a>	<a href="#">142, 212, 157</a>
Decimal	<a href="#">12965006</a>
CIELab	<a href="#">82.33, -16.34, 33.01</a>
CIElCh	<a href="#">82, 36.832, 116.339</a>
Yxy	<a href="#">60.9103, 0.3500, 0.4144</a>
Android (android.graphics.Color)	<a href="#">4291155086 (0xFFC5D48E)</a>
YUV	<a href="#">199.5350, -28.3648, -2.2232</a>
Hunter-Lab	<a href="#">78.0451, -18.9011, 28.3188</a>

# Details

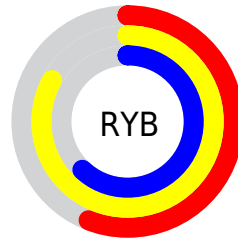
The XYZ color **51.4519, 60.9103, 34.6362** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **35.4637, 31.2692, 66.4573**, and the grayscale version is **54.7781, 57.6308, 62.7599**.

A 20% lighter version of the original color is **86.5969, 96.5764, 66.3015**, and **25.1006, 30.6201, 14.4848** is the 20% darker color. If you saturate the color by 10%, you get **48.8377, 59.7313, 26.9807**, and if you desaturate by 10%, it is **54.4079, 62.2343, 43.8904**.

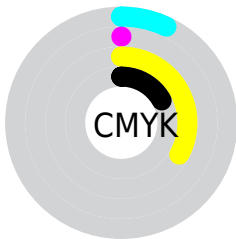
# Distribution



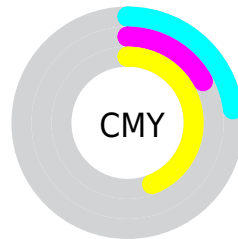
- Red (77%)
- Green (83%)
- Blue (56%)



- Red (56%)
- Yellow (83%)
- Blue (62%)



- Cyan (7%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)




- Cyan (23%)
- Magenta (17%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.4519, 60.9103, 34.6362 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 51.4519, 60.9103, 34.6362 by changing the saturation by 10% instead.





 51.4519, 60.9103,  
34.6362


 51.4519, 60.9103,  
34.6362


382.6758,  
427.9450, 337.8150

 36.7909, 44.1528,  
23.1015


 91.5014, 106.1490,  
68.0670

 25.2186, 30.7906,  
14.4624


 117.6206,  
135.3991, 90.8001

 16.3696, 20.4395,  
8.3006


148.2900,  
169.5820, 118.1031

 9.8785, 12.7149,  
4.1974

183.8748,  
209.0824, 150.3944

 5.3801, 7.2325,  
1.7342

224.7404,  
254.2844, 188.0928

 2.5090, 3.6079,  
0.3840

271.2522,

 0.8998, 1.4568,

305.5726, 231.6166

0.0000

323.7755,  
363.3314, 281.3845

0.0000, 0.2580,  
0.0000

0.0000, 0.0000,  
0.0000

51.4519, 60.9103,  
34.6362

51.4519, 60.9103,  
34.6362

48.8377, 59.7313,  
26.9807

54.4079, 62.2343,  
43.8904

46.5430, 58.6821,  
20.8293

57.7171, 63.7018,  
54.8229

44.5502, 57.7578,  
16.0836

61.3963, 65.3214,  
67.5127

42.8378, 56.9496,  
12.6317

65.4594, 67.0988,  
82.0327

■ 41.3809, 56.2477,  
10.3449

■ 69.9199, 69.0395,  
98.4515

■ 40.1497, 55.6400,  
9.0679

■ 72.4178, 70.1995,  
104.3408

■ 39.3888, 55.2575,  
8.5898

■ 73.8475, 70.9365,  
104.4077

■ 75.3150, 71.6930,  
104.4764

■ 76.8209, 72.4693,  
104.5468

# Harmonies

## Analogous

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



58.8625, 60.9103, 31.8609



51.4519, 60.9103, 34.6362



46.2179, 60.9103, 45.1317

# Triad

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



51.4519, 60.9103, 34.6362



49.9243, 60.9103, 109.1958



74.2994, 60.9103, 69.1195

# Complementary

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



51.4519, 60.9103, 34.6362



35.4637, 31.2692, 66.4573

# 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.



71.3861, 60.9103, 93.2803



51.4519, 60.9103, 34.6362



56.9350, 60.9103, 119.4855

# Square

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



51.4519, 60.9103, 34.6362



45.3935, 60.9103, 87.4068



64.8513, 60.9103, 113.0897



72.5001, 60.9103, 48.9322



# Rectangle

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



51.4519, 60.9103, 34.6362



44.4311, 60.9103, 56.6271



64.8513, 60.9103, 113.0897



73.8325, 60.9103, 77.0624

# Sweetspot

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



51.4534, 60.9130, 34.6375



89.2304, 97.4431, 88.6008



43.9245, 39.7287, 30.9453



18.9340, 20.7841, 18.4015



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.



51.4534, 60.9130, 34.6375



75.1586, 91.1665, 43.7726



43.5323, 56.8295, 34.2668



13.2002, 14.3794, 13.2405



24.4025, 34.1563, 5.3067



1.5383, 2.0944, 0.3232



# Inverse Universe

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



35.4637, 31.2692, 66.4573



47.0899, 39.1007, 99.6730



43.0446, 35.1773, 66.8121



11.9890, 12.1357, 15.6481



8.0858, 3.3209, 38.6680



0.5588, 0.2370, 2.3356



# Previews

## White Background



This preview shows how the XYZ color 51.4519, 60.9103, 34.6362 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 51.4519, 60.9103, 34.6362 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

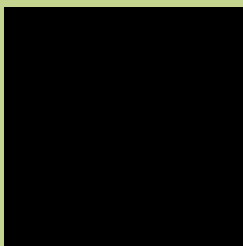
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

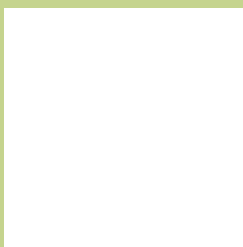
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 51.4519, 60.9103, 34.6362**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.4519, 60.9103, 34.6362.



This preview shows how white text looks on a background with the XYZ color 51.4519, 60.9103,



# 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

51.4519, 60.9103, 34.6362

### Protanopia

56.0719, 60.4220, 33.1334

### Deuteranopia

61.8129, 60.5789, 35.2231



## Tritanopia

59.5075, 60.5684, 74.8842

# Trichromacy



## Original Color

51.4519, 60.9103, 34.6362

## Protanomaly

54.1978, 60.5161, 33.6352

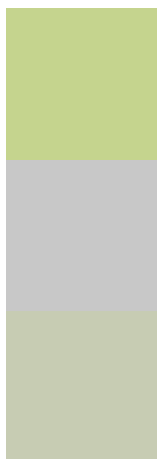
## Deuteranomaly

57.5186, 60.4234, 35.0169

## Tritanomaly

55.9942, 60.5568, 57.4526

# Monochromacy



## Original Color

51.4519, 60.9103, 34.6362

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

53.2827, 58.5825, 51.1471

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.4519, 60.9103, 34.6362 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(197, 212, 142)` looks like.

```
.text, #text, p{  
    color:rgb(197, 212, 142)  
}
```

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(197, 212, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 212, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 51.4519, 60.9103, 34.6362 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(197, 212, 142) }
```



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

```
.border{ border-color:rgb(197, 212, 142) }
```

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

Here you see how a box with a 4 pixel rgb(197, 212, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 212, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 212, 142);  
box-shadow:4px 4px 4px 4px rgb(197, 212,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.4519, 60.9103, 34.6362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 212, 142) }
```

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

```
.background{ background-color: rgb(197,  
212, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor