

# Converting Colors

XYZ(51.8165, 71.0980, 32.8064)

Have a look what the booklet for  
XYZ(51.8165, 71.0980, 32.8064)  
contains.

<b>XYZ(51.9046, 71.2330, 32.8435)</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(51.9046, 71.2330,  
32.8435)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEED84
RGB	174, 237, 132
RGB Percent	68%, 93%, 52%
CMY	0.3176, 0.0706, 0.4823
CMYK	0.27, 0.00, 0.44, 0.07
HSL	96°, 74%, 72%
HSV	96°, 44%, 93%
XYZ	51.9046, 71.2330, 32.8435
YIQ	206.1930, -3.8430, -46.0110

# Conversions

## Conversions Part 2

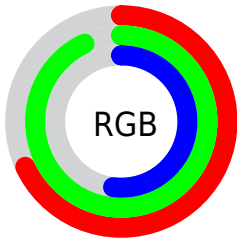
Format	Color
<a href="#">RYB</a>	<a href="#">132, 237, 195</a>
Decimal	<a href="#">11464068</a>
CIELab	<a href="#">87.60, -37.85, 44.49</a>
CIELCh	<a href="#">88, 58.413, 130.395</a>
Yxy	<a href="#">71.2330, 0.3328, 0.4567</a>
Android (android.graphics.Color)	<a href="#">4289654148 (0xFFAEED84)</a>
YUV	<a href="#">206.1930, -36.5771, -28.2333</a>
Hunter-Lab	<a href="#">84.3996, -37.9244, 36.0075</a>

# Details

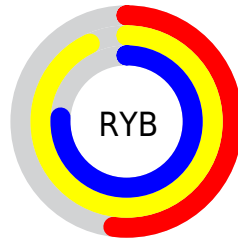
The XYZ color **51.9046, 71.2330, 32.8435** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.0462, 34.2212, 84.3032**, and the grayscale version is **59.0203, 62.0939, 67.6203**.

A 20% lighter version of the original color is **77.6846, 92.0968, 60.6957**, and **25.5796, 37.5489, 13.4889** is the 20% darker color. If you saturate the color by 10%, you get **47.4617, 69.1114, 25.1102**, and if you desaturate by 10%, it is **57.0550, 73.6811, 42.5358**.

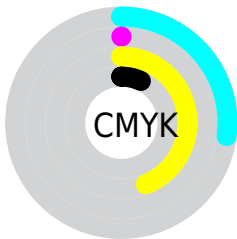
# Distribution



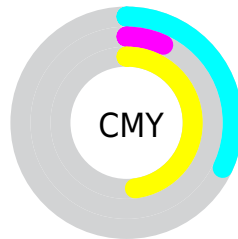
- Red (68%)
- Green (93%)
- Blue (52%)



- Red (52%)
- Yellow (93%)
- Blue (76%)



- Cyan (27%)
- Magenta (0%)
- Yellow (44%)
- Black (7%)



- Cyan (32%)
- Magenta (7%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9046, 71.2330, 32.8435 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 51.9046, 71.2330, 32.8435 by changing the saturation by 10% instead.





 51.9046, 71.2330,  
32.8435


 51.9046, 71.2330,  
32.8435


384.3982,  
464.8675, 329.5543


 37.1530, 52.5324,  
21.7364


 92.1656, 120.9654,  
65.2443

 25.5002, 37.4296,  
13.4669


 118.4057,  
152.7660, 87.3751

 16.5808, 25.5403,  
7.6164


 149.2060,  
189.7020, 114.0177

 10.0295, 16.4800,  
3.7662

184.9319,  
232.1579, 145.5904

 5.4810, 9.8645,  
1.4980

225.9487,  
280.5180, 182.5119

 2.5698, 5.3092,  
0.2164

272.6218,

 0.9306, 2.4298,

335.1667, 225.2007

0.0000

325.3165,  
396.4884, 274.0753

0.0000, 0.8412,  
0.0000

0.0000, 0.0000,  
0.0000

51.9046, 71.2330,  
32.8435

51.9046, 71.2330,  
32.8435

47.4617, 69.1114,  
25.1102

57.0550, 73.6811,  
42.5358

43.6852, 67.2915,  
19.1978


62.9403, 76.4608,  
54.3035

40.5377, 65.7595,  
14.9573


69.5930, 79.5884,  
68.2594

37.9745, 64.4961,  
12.2144

77.0417, 83.0764,  
84.5069

 35.9430, 63.4791,  
10.7562

 85.3135, 86.9368,  
103.1426

 34.9836, 62.9932,  
10.3151

 89.5757, 89.0514,  
107.0752

# Harmonies

## Analogous

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



63.0230, 71.2330, 24.2091



51.9046, 71.2330, 32.8435



45.6330, 71.2330, 54.7277

# Triad

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



51.9046, 71.2330, 32.8435



59.1753, 71.2330, 173.5944



97.3453, 71.2330, 64.6250

# Complementary

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



51.9046, 71.2330, 32.8435



46.0462, 34.2212, 84.3032

# Split Complementary

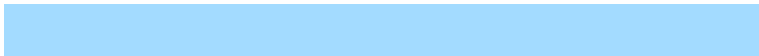
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9454, 71.2330, 105.9968



51.9046, 71.2330, 32.8435



72.6130, 71.2330, 179.0619

# Square

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



51.9046, 71.2330, 32.8435



49.4184, 71.2330, 138.0629



86.4244, 71.2330, 151.1457



90.0232, 71.2330, 37.9604



# Rectangle

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



51.9046, 71.2330, 32.8435



44.4596, 71.2330, 78.0864



86.4244, 71.2330, 151.1457



97.9010, 71.2330, 77.0372

# Sweetspot

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



51.9064, 71.2361, 32.8451



83.2216, 94.4666, 82.8495



58.6079, 58.7036, 30.0728



17.4176, 20.0343, 16.8865



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

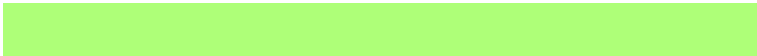


# Same Dimension

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



51.9064, 71.2361, 32.8451



56.5756, 81.8602, 30.5404



44.7222, 67.4453, 36.4508



15.4385, 17.1561, 16.0165



19.2375, 34.4618, 5.6379



1.6165, 2.7607, 0.4477



# Inverse Universe

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



46.0462, 34.2212, 84.3032



48.8210, 33.0267, 98.4094



56.9753, 40.0275, 77.0385



15.0982, 14.9959, 19.0210



14.6076, 6.5664, 44.2405



1.2551, 0.5713, 3.4790



# Previews

## White Background



This preview shows how the XYZ color 51.9046, 71.2330, 32.8435 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 51.9046, 71.2330, 32.8435 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 51.9046, 71.2330, 32.8435**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.9046, 71.2330, 32.8435.



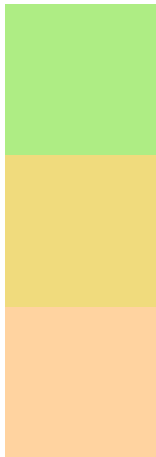
This preview shows how white text looks on a background with the XYZ color 51.9046, 71.2330,



# 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

51.9046, 71.2330, 32.8435

### Protanopia

64.9684, 70.6690, 29.6183

### Deuteranopia

70.8794, 70.3866, 43.1079



## Tritanopia

64.1685, 70.7985, 94.2878

# Trichromacy



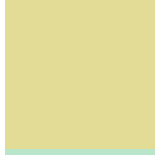
## Original Color

51.9046, 71.2330, 32.8435



## Protanomaly

59.4115, 70.5502, 30.9083



## Deuteranomaly

62.4623, 69.5572, 38.9879



## Tritanomaly

58.6876, 70.6172, 66.4144

# Monochromacy



## Original Color

51.9046, 71.2330, 32.8435



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

55.1977, 64.3497, 52.1593

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9046, 71.2330, 32.8435 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(174, 237, 132)` looks like.

```
.text, #text, p{  
    color:rgb(174, 237, 132)  
}
```

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(174, 237, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 237, 132) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9046, 71.2330, 32.8435 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(174, 237, 132) }
```



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

```
.border{ border-color:rgb(174, 237, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 237, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 237, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 237, 132);  
box-shadow:4px 4px 4px 4px rgb(174, 237,  
132) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9046, 71.2330, 32.8435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 237, 132) }
```

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

```
.background{ background-color: rgb(174,  
237, 132) }
```

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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