

# Converting Colors

XYZ(50.7141, 71.5871, 28.2843)

Have a look what the booklet for  
XYZ(50.7141, 71.5871, 28.2843)  
contains.

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# Color

**XYZ(50.7141, 71.5871,  
28.2843)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AAEF76
RGB	170, 239, 118
RGB Percent	67%, 94%, 46%
CMY	0.3333, 0.0627, 0.5372
CMYK	0.29, 0.00, 0.51, 0.06
HSL	94°, 79%, 70%
HSV	94°, 51%, 94%
XYZ	50.7141, 71.5871, 28.2843
YIQ	204.5750, -2.2830, -52.2590

# Conversions

## Conversions Part 2

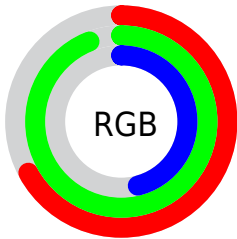
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 239, 187
Decimal	11202422
CIELab	87.77, -41.74, 51.30
CIELCh	88, 66.138, 129.135
Yxy	71.5871, 0.3368, 0.4754
Android (android.graphics.Color)	4289392502 (0xFFAAEF76)
YUV	204.5750, -42.6815, -30.3223
Hunter-Lab	84.6092, -41.0745, 39.4061

# Details

The XYZ color **50.7141, 71.5871, 28.2843** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.5551, 29.7558, 85.1659**, and the grayscale version is **58.0235, 61.0452, 66.4782**.

A 20% lighter version of the original color is **75.2977, 91.0311, 53.1373**, and **24.8271, 37.8260, 10.9937** is the 20% darker color. If you saturate the color by 10%, you get **46.6751, 69.6510, 21.5978**, and if you desaturate by 10%, it is **55.4220, 73.8309, 36.8831**.

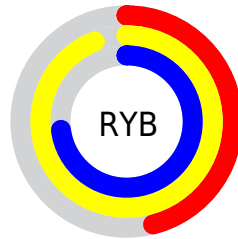
# Distribution



Red (67%)

Green (94%)

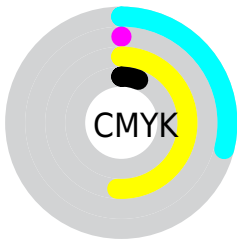
Blue (46%)



Red (46%)

Yellow (94%)

Blue (73%)

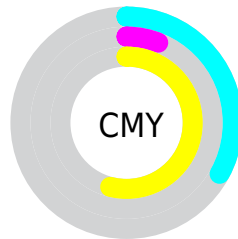


Cyan (29%)

Magenta (0%)

Yellow (51%)

Black (6%)



Cyan (33%)

Magenta (6%)

Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7141, 71.5871, 28.2843 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 50.7141, 71.5871, 28.2843 by changing the saturation by 10% instead.



■ 50.7141, 71.5871,  
28.2843

■ 50.7141, 71.5871,  
28.2843

379.8580,  
466.1032, 307.7775

■ 36.2012, 52.8215,  
18.2992

■ 90.4175, 121.4693,  
57.9666

■ 24.7605, 37.6603,  
10.9933

■ 116.3388,  
153.3547, 78.5008

■ 16.0265, 25.7191,  
5.9482

■ 146.7936,  
190.3821, 103.3885

■ 9.6339, 16.6136,  
2.7454

182.1473,  
232.9359, 133.0481

■ 5.2173, 9.9594,  
0.9661

222.7652,  
281.4005, 167.8983

■ 2.4114, 5.3720,  
0.0000

269.0128,

■ 0.8508, 2.4672,

336.1603, 208.3576

0.0000

321.2552,  
397.5997, 254.8445

0.0000, 0.8601,  
0.0000

0.0000, 0.0000,  
0.0000

50.7141, 71.5871,  
28.2843

50.7141, 71.5871,  
28.2843

46.6751, 69.6510,  
21.5978

55.4220, 73.8309,  
36.8831

43.2627, 67.9973,  
16.6725


60.8272, 76.3875,  
47.5207


40.4371, 66.6115,  
13.3421


66.9626, 79.2735,  
60.3183


38.1503, 65.4730,  
11.4063

73.8572, 82.5015,  
75.3861

 36.4278, 64.6022,  
10.5495

 81.5385, 86.0832,  
92.8270

 88.9833, 89.6105,  
107.2144

 90.1580, 90.2161,  
107.2693

# Harmonies

## Analogous

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



63.3613, 71.5871, 19.9602



50.7141, 71.5871, 28.2843



43.5552, 71.5871, 51.0336

# Triad

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



50.7141, 71.5871, 28.2843



57.8472, 71.5871, 189.8323



102.4039, 71.5871, 65.0128

# Complementary

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



50.7141, 71.5871, 28.2843



42.5551, 29.7558, 85.1659

# 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.



100.3213, 71.5871, 112.9662



50.7141, 71.5871, 28.2843



72.9464, 71.5871, 198.2305

# Square

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



50.7141, 71.5871, 28.2843



47.2120, 71.5871, 146.2221



88.9243, 71.5871, 166.0594



94.2412, 71.5871, 35.1279



# Rectangle

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



50.7141, 71.5871, 28.2843



42.1040, 71.5871, 76.6478



88.9243, 71.5871, 166.0594



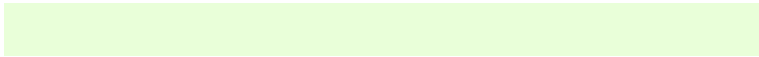
102.9028, 71.5871, 79.2591

# Sweetspot

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



50.7158, 71.5902, 28.2859



81.9172, 93.8718, 79.2769



56.5480, 55.0186, 24.7798



17.1740, 19.9240, 16.1842



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.



50.7158, 71.5902, 28.2859



53.8211, 80.5682, 24.6320



42.1101, 67.0960, 30.4938



16.2100, 17.9884, 16.7675



20.2734, 35.7729, 5.8363



1.7983, 3.0336, 0.4908



# Inverse Universe

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



42.5551, 29.7558, 85.1659



43.3324, 26.9405, 97.5239



56.4923, 37.0753, 79.7345



15.7602, 15.6736, 19.9163



14.4008, 6.4293, 45.6098



1.3117, 0.5935, 3.7996



# Previews

## White Background



This preview shows how the XYZ color 50.7141, 71.5871, 28.2843 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 50.7141, 71.5871, 28.2843 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

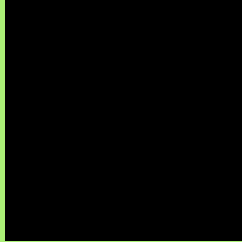
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.7141, 71.5871, 28.2843**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.7141, 71.5871, 28.2843.



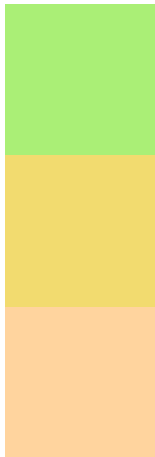
This preview shows how white text looks on a background with the XYZ color 50.7141, 71.5871,



# 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

50.7141, 71.5871, 28.2843

### Protanopia

64.8187, 70.6880, 25.2668

### Deuteranopia

70.9550, 70.8156, 42.2768



## Tritanopia

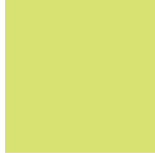
64.0891, 71.1403, 95.1476

# Trichromacy



## Original Color

50.7141, 71.5871, 28.2843



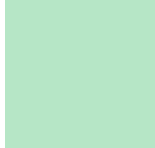
## Protanomaly

58.5525, 70.2065, 26.3848



## Deuteranomaly

61.8197, 70.0730, 36.2538



## Tritanomaly

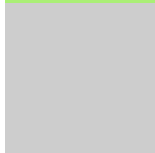
57.7813, 70.6159, 64.0109

# Monochromacy



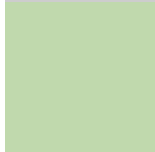
## Original Color

50.7141, 71.5871, 28.2843



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

54.0939, 63.8493, 49.0083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.7141, 71.5871, 28.2843 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(170, 239, 118)` looks like.

```
.text, #text, p{  
    color:rgb(170, 239, 118)  
}
```

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(170, 239, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 239, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 50.7141, 71.5871, 28.2843 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(170, 239, 118) }
```



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

```
.border{ border-color:rgb(170, 239, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 239, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 239, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 239, 118);  
box-shadow:4px 4px 4px 4px rgb(170, 239,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.7141, 71.5871, 28.2843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 239, 118) }
```

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

```
.background{ background-color: rgb(170,  
239, 118) }
```

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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