

# Converting Colors

XYZ(57.4383, 73.7709, 29.2779)

Have a look what the booklet for  
XYZ(57.4383, 73.7709, 29.2779)  
contains.

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# Color

**XYZ(57.5340, 73.7889,  
29.2995)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9EC79
RGB	201, 236, 121
RGB Percent	79%, 93%, 47%
CMY	0.2118, 0.0745, 0.5255
CMYK	0.15, 0.00, 0.49, 0.07
HSL	78°, 75%, 70%
HSV	78°, 49%, 93%
XYZ	57.5340, 73.7889, 29.2995
YIQ	212.4250, 16.0550, -43.1850

# Conversions

## Conversions Part 2

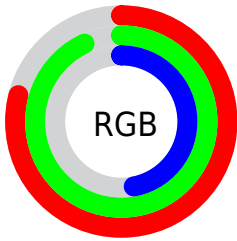
Format	Color
<a href="#">RYB</a>	<a href="#">121, 236, 156</a>
Decimal	<a href="#">13233273</a>
CIELab	<a href="#">88.82, -28.86, 51.61</a>
CIElCh	<a href="#">89, 59.130, 119.217</a>
Yxy	<a href="#">73.7889, 0.3582, 0.4594</a>
Android (android.graphics.Color)	<a href="#">4291423353</a> ( <a href="#">0xFFC9EC79</a> )
YUV	<a href="#">212.4250, -45.0725, -10.0197</a>
Hunter-Lab	<a href="#">85.9005, -30.7709, 39.9073</a>

# Details

The XYZ color **57.5340, 73.7889, 29.2995** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **35.6910, 26.8008, 82.6531**, and the grayscale version is **63.1472, 66.4358, 72.3486**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **29.0417, 39.0796, 11.4813** is the 20% darker color. If you saturate the color by 10%, you get **54.3745, 72.3097, 22.4993**, and if you desaturate by 10%, it is **61.1415, 75.4628, 37.9715**.

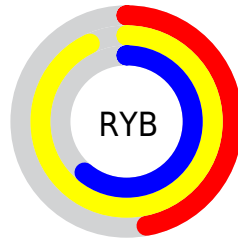
# Distribution



Red (79%)

Green (93%)

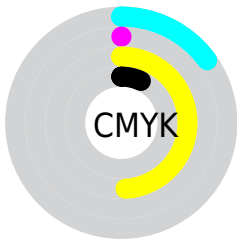
Blue (47%)



Red (47%)

Yellow (93%)

Blue (61%)

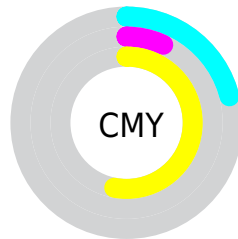


Cyan (15%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (21%)

Magenta (7%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.5340, 73.7889, 29.2995 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 57.5340, 73.7889, 29.2995 by changing the saturation by 10% instead.





 57.5340, 73.7889,  
29.2995

 57.5340, 73.7889,  
29.2995


405.4292,  
473.7445, 312.7305


 41.6759, 54.6213,  
19.0600


 100.3708,  
124.5965, 59.6004

 29.0376, 39.0986,  
11.5364


 128.0803,  
157.0053, 80.4990

 19.2537, 26.8364,  
6.3101


 160.4709,  
194.5966, 105.7875

 11.9588, 17.4504,  
2.9627

197.9081,  
237.7548, 135.8847

 6.7877, 10.5561,  
1.0756

240.7571,  
286.8643, 171.2091

 3.3748, 5.7692,  
0.0000

289.3834,

 1.3549, 2.7053,

342.3095, 212.1791

0.0000

344.1523,  
404.4747, 259.2134

0.2238, 0.9799,  
0.0000

0.0000, 0.0000,  
0.0000

57.5340, 73.7889,  
29.2995

57.5340, 73.7889,  
29.2995

54.3745, 72.3097,  
22.4993

61.1415, 75.4628,  
37.9715

51.6301, 71.0044,  
17.4277


65.2164, 77.3317,  
48.6349


49.2713, 69.8634,  
13.9286


69.7832, 79.4081,  
61.4053


47.2617, 68.8721,  
11.8156


74.8632, 81.7005,  
76.3876


 45.5473, 68.0087,  
10.8126

 80.4760, 84.2171,  
93.6801

 45.3414, 67.9045,  
10.7171

 85.3910, 86.4657,  
106.7967

 87.9341, 87.7767,  
106.9157

 89.2871, 88.4742,  
106.9790

# Harmonies

## Analogous

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



70.5113, 73.7889, 24.4745



57.5340, 73.7889, 29.2995



49.0382, 73.7889, 46.3646

# Triad

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



57.5340, 73.7889, 29.2995



56.9645, 73.7889, 168.9196



101.4271, 73.7889, 81.4266

# Complementary

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



57.5340, 73.7889, 29.2995



35.6910, 26.8008, 82.6531

# 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.



96.5495, 73.7889, 127.8388



57.5340, 73.7889, 29.2995



69.7583, 73.7889, 187.8051

# Square

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



57.5340, 73.7889, 29.2995



48.7422, 73.7889, 125.3104



84.4514, 73.7889, 170.6953



97.0161, 73.7889, 47.6712



# Rectangle

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



57.5340, 73.7889, 29.2995



46.4133, 73.7889, 66.4739



84.4514, 73.7889, 170.6953



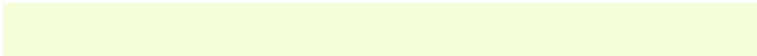
100.8099, 73.7889, 96.0196

# Sweetspot

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



57.5358, 73.7922, 29.3011



85.3374, 95.6350, 79.4369



49.8507, 42.8252, 23.7289



17.9981, 20.3488, 16.2228



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

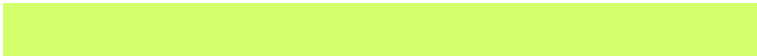


# Same Dimension

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



57.5358, 73.7922, 29.3011



64.9918, 86.2824, 27.1663



44.9507, 67.3043, 28.7121



15.8798, 17.3836, 16.0371



25.1293, 37.4991, 5.9136



2.0703, 2.9946, 0.4689



# Inverse Universe

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



35.6910, 26.8008, 82.6531



36.2894, 24.4432, 97.4131



49.4210, 33.8789, 83.2957



14.6624, 14.7712, 19.0006



9.9272, 4.1536, 44.0215



0.8742, 0.3750, 3.4612



# Previews

## White Background



This preview shows how the XYZ color 57.5340, 73.7889, 29.2995 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

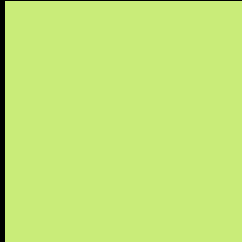
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.5340, 73.7889, 29.2995 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

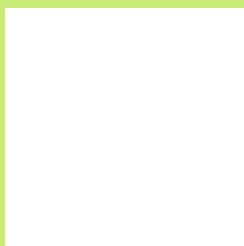
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 57.5340, 73.7889, 29.2995**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.5340, 73.7889, 29.2995.



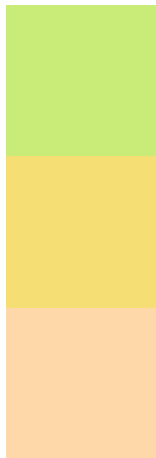
This preview shows how white text looks on a background with the XYZ color 57.5340, 73.7889,



# 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

57.5340, 73.7889, 29.2995

### Protanopia

67.1963, 73.4488, 27.1584

### Deuteranopia

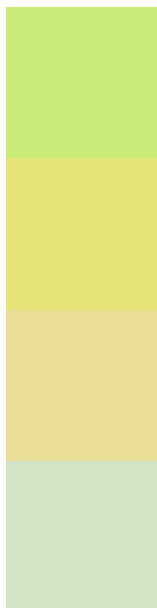
72.9573, 73.2363, 47.8269



## Tritanopia

70.4348, 73.6656, 92.9446

# Trichromacy



## Original Color

57.5340, 73.7889, 29.2995

## Protanomaly

63.3265, 73.4528, 27.9797

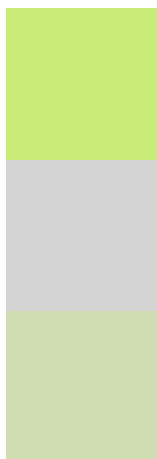
## Deuteranomaly

66.3161, 72.7045, 40.2439

## Tritanomaly

64.6854, 73.3669, 63.5753

# Monochromacy



## Original Color

57.5340, 73.7889, 29.2995

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

60.0056, 68.3775, 52.6834

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.5340, 73.7889, 29.2995 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(201, 236, 121)` looks like.

```
.text, #text, p{  
    color:rgb(201, 236, 121)  
}
```

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(201, 236, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 236, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 57.5340, 73.7889, 29.2995 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(201, 236, 121) }
```



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

```
.border{ border-color:rgb(201, 236, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 236, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 236, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 236, 121);  
box-shadow:4px 4px 4px 4px rgb(201, 236,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.5340, 73.7889, 29.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 236, 121) }
```

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

```
.background{ background-color: rgb(201,  
236, 121) }
```

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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