

# Converting Colors

XYZ(51.9090, 71.5575, 18.2838)

Have a look what the booklet for  
XYZ(51.9090, 71.5575, 18.2838)  
contains.

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# Color

**XYZ(51.9090, 71.5575,  
18.2838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAED4E
RGB	186, 237, 78
RGB Percent	73%, 93%, 31%
CMY	0.2706, 0.0706, 0.6941
CMYK	0.22, 0.00, 0.67, 0.07
HSL	79°, 82%, 62%
HSV	79°, 67%, 93%
XYZ	51.9090, 71.5575, 18.2838
YIQ	203.6250, 20.6430, -60.2610

# Conversions

## Conversions Part 2

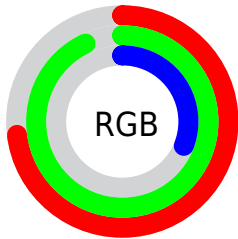
Format	Color
<a href="#">RYB</a>	<a href="#">78, 237, 129</a>
Decimal	<a href="#">12250446</a>
CIELab	<a href="#">87.76, -38.52, 68.55</a>
CIELCh	<a href="#">88, 78.630, 119.334</a>
Yxy	<a href="#">71.5575, 0.3662, 0.5048</a>
Android (android.graphics.Color)	<a href="#">4290440526 (0xFFBAED4E)</a>
YUV	<a href="#">203.6250, -61.9331, -15.4571</a>
Hunter-Lab	<a href="#">84.5917, -38.5003, 46.3991</a>

# Details

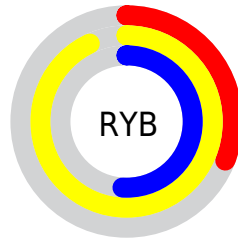
The XYZ color **51.9090, 71.5575, 18.2838** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **27.0666, 16.2323, 81.8315**, and the grayscale version is **57.5289, 60.5248, 65.9115**.

A 20% lighter version of the original color is **77.7894, 92.6817, 36.7111**, and **25.5826, 37.7171, 5.9605** is the 20% darker color. If you saturate the color by 10%, you get **49.4100, 70.3527, 14.5029**, and if you desaturate by 10%, it is **54.8157, 72.9418, 23.6841**.

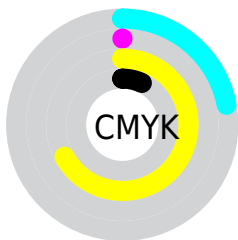
# Distribution



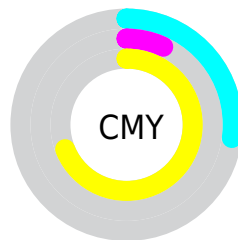
- Red (73%)
- Green (93%)
- Blue (31%)



- Red (31%)
- Yellow (93%)
- Blue (51%)



- Cyan (22%)
- Magenta (0%)
- Yellow (67%)
- Black (7%)




- Cyan (27%)
- Magenta (7%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9090, 71.5575, 18.2838 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 51.9090, 71.5575, 18.2838 by changing the saturation by 10% instead.





 51.9090, 71.5575,  
18.2838


 51.9090, 71.5575,  
18.2838


384.4149,  
466.0000, 254.7555

 37.1565, 52.7973,  
10.9824


 92.1720, 121.4272,  
41.3408


 25.5029, 37.6410,  
5.9410


 118.4133,  
153.3055, 57.9334


 16.5829, 25.7042,  
2.7410


 149.2149,  
190.3252, 78.4602

 10.0310, 16.6024,  
0.9640

 184.9422,  
232.8709, 103.3397

 5.4819, 9.9515,  
0.0000

 225.9604,  
281.3267, 132.9904

 2.5703, 5.3668,  
0.0000

272.6351,

 0.9309, 2.4640,

336.0773, 167.8310

0.0000

325.3315,  
397.5069, 208.2798

0.0000, 0.8585,  
0.0000

0.0000, 0.0000,  
0.0000

51.9090, 71.5575,  
18.2838

51.9090, 71.5575,  
18.2838

49.4100, 70.3527,  
14.5029

54.8157, 72.9418,  
23.6841

47.2776, 69.3031,  
12.1542


58.1561, 74.5086,  
30.8548


45.4669, 68.3933,  
11.0031


61.9594, 76.2722,  
39.9349


44.9789, 68.1461,  
10.7829


66.2505, 78.2428,  
51.0481

 71.0524, 80.4298,  
64.3078

 76.3862, 82.8417,  
79.8191

 82.2720, 85.4867,  
97.6799

 86.6311, 87.5335,  
106.9374

 89.3648, 88.9428,  
107.0654

# Harmonies

## Analogous

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



68.4314, 71.5575, 13.7182



51.9090, 71.5575, 18.2838



41.5873, 71.5575, 36.3819

# Triad

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



51.9090, 71.5575, 18.2838



51.3078, 71.5575, 203.9095



110.5612, 71.5575, 79.1151

# Complementary

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



51.9090, 71.5575, 18.2838



27.0666, 16.2323, 81.8315

# 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.



103.7724, 71.5575, 142.9417



51.9090, 71.5575, 18.2838



67.5969, 71.5575, 232.4171

# Square

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



51.9090, 71.5575, 18.2838



41.2875, 71.5575, 139.8622



87.1450, 71.5575, 206.1874



104.3263, 71.5575, 37.6420



# Rectangle

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



51.9090, 71.5575, 18.2838



38.4994, 71.5575, 60.4027



87.1450, 71.5575, 206.1874



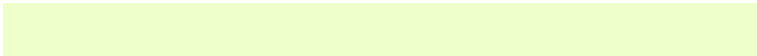
109.7098, 71.5575, 98.5195

# Sweetspot

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



51.9107, 71.5607, 18.2853



82.1341, 94.1677, 70.9740



44.0678, 34.0868, 11.4655



17.2355, 19.9989, 14.2366



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.



51.9107, 71.5607, 18.2853



57.2248, 82.5228, 15.7577



37.7432, 64.2571, 17.6223



15.8549, 17.3707, 16.0360



24.6982, 37.2769, 5.8934



2.0389, 2.9784, 0.4674



# Inverse Universe

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



27.0666, 16.2323, 81.8315



26.1575, 12.9961, 95.7376



43.9834, 24.9532, 82.6232



14.6861, 14.7834, 19.0017



10.0952, 4.2402, 44.0293

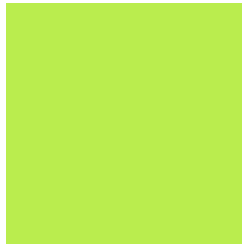


0.8897, 0.3830, 3.4619



# Previews

## White Background



This preview shows how the XYZ color 51.9090, 71.5575, 18.2838 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 51.9090, 71.5575, 18.2838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

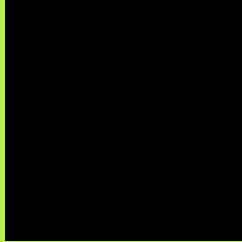
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.9090, 71.5575, 18.2838

## Background



This preview shows how black text looks on a background with the XYZ color 51.9090, 71.5575, 18.2838.



This preview shows how white text looks on a background with the XYZ color 51.9090, 71.5575,



# 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

51.9090, 71.5575, 18.2838

### Protanopia

64.4520, 71.0799, 16.6261

### Deuteranopia

70.4510, 70.6140, 39.6225



## Tritanopia

66.8781, 71.4537, 91.9284

# Trichromacy



## Original Color

51.9090, 71.5575, 18.2838



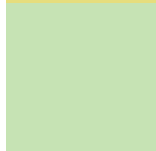
## Protanomaly

59.2068, 70.7480, 17.1918



## Deuteranomaly

62.1912, 70.0166, 29.6388



## Tritanomaly

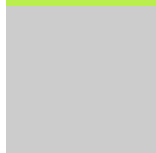
58.9960, 70.2392, 53.6281

# Monochromacy



## Original Color

51.9090, 71.5575, 18.2838



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

53.7534, 63.4507, 41.7619

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9090, 71.5575, 18.2838 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(186, 237, 78)` looks like.

```
.text, #text, p{  
    color:rgb(186, 237, 78)  
}
```

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(186, 237, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 237, 78) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9090, 71.5575, 18.2838 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(186, 237, 78) }
```



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

```
.border{ border-color:rgb(186, 237, 78) }
```

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

Here you see how a box with a 4 pixel rgb(186, 237, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 237, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 237, 78);  
box-shadow:4px 4px 4px 4px rgb(186, 237,  
78) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9090, 71.5575, 18.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 237, 78) }
```

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

```
.background{ background-color: rgb(186,  
237, 78) }
```

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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