

Converting Colors

XYZ(51.4825, 69.2568, 17.1785)

Have a look what the booklet for
XYZ(51.4825, 69.2568, 17.1785)
contains.

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Color

**XYZ(51.5785, 69.2840,
17.1332)**

Conversions

Conversions Part 1

Format	Color
Hex	BFE84A
RGB	191, 232, 74
RGB Percent	75%, 91%, 29%
CMY	0.2510, 0.0902, 0.7098
CMYK	0.18, 0.00, 0.68, 0.09
HSL	76°, 77%, 60%
HSV	76°, 68%, 91%
XYZ	51.5785, 69.2840, 17.1332
YIQ	201.7290, 26.2820, -57.8300

Conversions

Conversions Part 2

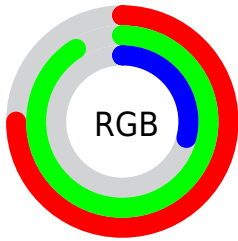
Format	Color
RYB	74, 232, 115
Decimal	12576842
CIELab	86.64, -34.60, 69.00
CIELCh	87, 77.189, 116.633
Yxy	69.2840, 0.3738, 0.5021
Android (android.graphics.Color)	4290766922 (0xFFBFE84A)
YUV	201.7290, -62.9704, -9.4093
Hunter-Lab	83.2370, -35.0558, 46.0619

Details

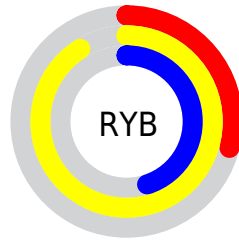
The XYZ color **51.5785, 69.2840, 17.1332** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **24.0871, 14.3703, 77.8522**, and the grayscale version is **56.3404, 59.2745, 64.5499**.

A 20% lighter version of the original color is **79.2811, 93.4827, 35.3381**, and **25.3568, 36.1190, 5.6352** is the 20% darker color. If you saturate the color by 10%, you get **49.4538, 68.2652, 13.6794**, and if you desaturate by 10%, it is **54.0568, 70.4564, 22.1100**.

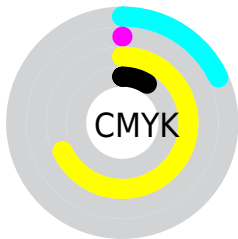
Distribution



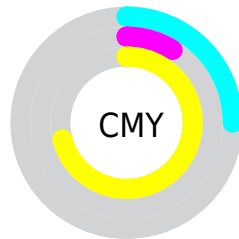
- Red (75%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (45%)



- Cyan (18%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)




- Cyan (25%)
- Magenta (9%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5785, 69.2840, 17.1332 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 51.5785, 69.2840, 17.1332 by changing the saturation by 10% instead.


 51.5785, 69.2840,
17.1332


 51.5785, 69.2840,
17.1332


383.1580,
458.0320, 248.0087

 36.8921, 50.9430,
10.1665


 91.6872, 118.1871,
39.3484

 25.2973, 36.1633,
5.4025


 117.8403,
149.5181, 55.4341


 16.4286, 24.5603,
2.4225


 148.5463,
185.9478, 75.3965

 9.9207, 15.7498,
0.7986

 184.1706,
227.8607, 99.6542

 5.4083, 9.3473,
0.0000

 225.0786,
275.6412, 128.6257

 2.5259, 4.9684,
0.0000

271.6356,

 0.9084, 2.2287,

329.6736, 162.7296

0.0000

324.2069,
390.3424, 202.3844

0.0000, 0.7356,
0.0000

0.0000, 0.0000,
0.0000

51.5785, 69.2840,
17.1332

51.5785, 69.2840,
17.1332

49.4538, 68.2652,
13.6794

54.0568, 70.4564,
22.1100

47.6435, 67.3769,
11.5679


56.9131, 71.7847,
28.7550


46.1017, 66.6029,
10.5523


60.1746, 73.2825,
37.2017


45.8260, 66.4636,
10.4135


63.8646, 74.9591,
47.5684

 68.0043, 76.8231,
59.9639

 72.6135, 78.8826,
74.4883

 77.7107, 81.1449,
91.2355

 82.5620, 83.3166,
106.3380

 84.6310, 84.3831,
106.4348

Harmonies

Analogous

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



67.8971, 69.2840, 13.5768



51.5785, 69.2840, 17.1332



41.0574, 69.2840, 33.1307

Triad

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



51.5785, 69.2840, 17.1332



48.6567, 69.2840, 191.5542



106.5998, 69.2840, 81.3847

Complementary

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



51.5785, 69.2840, 17.1332



24.0871, 14.3703, 77.8522

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.



99.0358, 69.2840, 143.7928



51.5785, 69.2840, 17.1332



63.8491, 69.2840, 223.1098

Square

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



51.5785, 69.2840, 17.1332



39.5980, 69.2840, 128.9040



82.5430, 69.2840, 202.5467



101.7164, 69.2840, 39.2767

Rectangle

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



51.5785, 69.2840, 17.1332



37.6892, 69.2840, 54.8424



82.5430, 69.2840, 202.5467



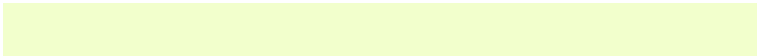
105.3992, 69.2840, 100.6364

Sweetspot

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



51.5801, 69.2871, 17.1347



83.1961, 94.7151, 71.0237



40.4784, 29.5745, 10.0545



17.4917, 20.1310, 14.2486



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.



51.5801, 69.2871, 17.1347



60.2666, 84.0969, 15.6304



36.9696, 61.7551, 16.4509



15.2174, 16.6191, 15.3102



25.5630, 36.9597, 5.7866



1.9745, 2.7752, 0.4316

Inverse Universe

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



24.0871, 14.3703, 77.8522



24.2972, 11.8851, 95.6212



38.8818, 21.9973, 78.5446



13.9318, 14.0671, 18.1253



9.2277, 3.8229, 42.6347



0.7670, 0.3264, 3.1545

Previews

White Background



This preview shows how the XYZ color 51.5785, 69.2840, 17.1332 looks on a white background.

Color Contrast Check

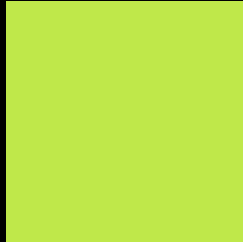
Large Text (above 18pt) WCAG AA × Fail

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 51.5785, 69.2840, 17.1332 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 51.5785, 69.2840, 17.1332

Background



This preview shows how black text looks on a background with the XYZ color 51.5785, 69.2840, 17.1332.



This preview shows how white text looks on a background with the XYZ color 51.5785, 69.2840,

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

51.5785, 69.2840, 17.1332

Protanopia

62.5363, 68.9452, 15.8061

Deuteranopia

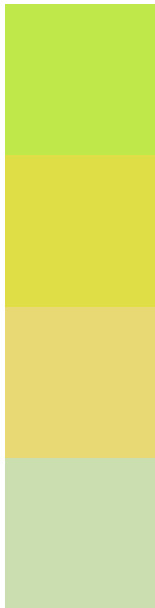
68.7741, 68.7544, 34.4571



Tritanopia

65.9586, 69.1215, 87.7073

Trichromacy



Original Color

51.5785, 69.2840, 17.1332

Protanomaly

57.6900, 68.3855, 16.1204

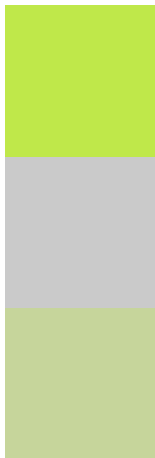
Deuteranomaly

61.2440, 68.0425, 26.4286

Tritanomaly

58.3149, 67.9337, 51.1133

Monochromacy



Original Color

51.5785, 69.2840, 17.1332

Achromatopsia

56.1383, 59.0619, 64.3184

Achromatomaly

52.9993, 61.9608, 40.1766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5785, 69.2840, 17.1332 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(191, 232, 74)` looks like.

```
.text, #text, p{  
    color:rgb(191, 232, 74)  
}
```

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(191, 232, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 232, 74) }
```

Border

The CSS property to change the border of an element to XYZ 51.5785, 69.2840, 17.1332 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(191, 232, 74) }
```


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

```
.border{ border-color:rgb(191, 232, 74) }
```

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

Here you see how a box with a 4 pixel rgb(191, 232, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 232, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 232, 74);  
box-shadow:4px 4px 4px 4px rgb(191, 232,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5785, 69.2840, 17.1332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 232, 74) }
```

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

```
.background{ background-color: rgb(191,  
232, 74) }
```

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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