

Converting Colors

XYZ(63.5727, 85.7303, 18.9921)

Have a look what the booklet for
XYZ(63.5727, 85.7303, 18.9921)
contains.

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Color

**XYZ(63.4438, 85.6638,
18.9853)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FF46
RGB	210, 255, 70
RGB Percent	82%, 100%, 27%
CMY	0.1765, 0.0000, 0.7255
CMYK	0.18, 0.00, 0.73, 0.00
HSL	75°, 100%, 64%
HSV	75°, 73%, 100%
XYZ	63.4438, 85.6638, 18.9853
YIQ	220.4550, 32.5650, -67.0750

Conversions

Conversions Part 2

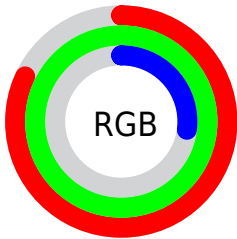
Format	Color
RYB	70, 255, 115
Decimal	13827910
CIELab	94.17, -37.89, 78.21
CIELCh	94, 86.908, 115.849
Yxy	85.6638, 0.3774, 0.5096
Android (android.graphics.Color)	4292017990 (0xFFD2FF46)
YUV	220.4550, -74.1743, -9.1690
Hunter-Lab	92.5547, -39.6138, 52.6265

Details

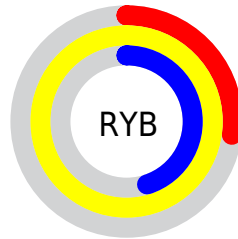
The XYZ color **63.4438, 85.6638, 18.9853** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **27.3119, 15.2466, 96.1111**, and the grayscale version is **68.8321, 72.4168, 78.8618**.

A 20% lighter version of the original color is **81.0293, 94.3917, 35.0678**, and **32.9566, 46.9675, 7.3286** is the 20% darker color. If you saturate the color by 10%, you get **61.0703, 84.5143, 15.5273**, and if you desaturate by 10%, it is **66.2274, 86.9853, 24.2470**.

Distribution



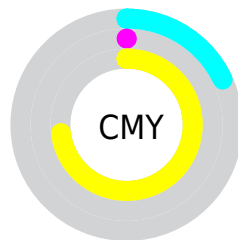
- Red (82%)
- Green (100%)
- Blue (27%)



- Red (27%)
- Yellow (100%)
- Blue (45%)



- Cyan (18%)
- Magenta (0%)
- Yellow (73%)
- Black (0%)



- Cyan (18%)
- Magenta (0%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4438, 85.6638, 18.9853 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 63.4438, 85.6638, 18.9853 by changing the saturation by 10% instead.


 63.4438, 85.6638,
18.9853

 63.4438, 85.6638,
18.9853


426.8125,
513.8220, 258.7876


 46.4603, 64.3900,
11.4830


 108.8877,
141.3002, 42.5456


 32.8154, 46.9666,
6.2744


 138.0789,
176.4317, 59.4407


 22.1436, 33.0093,
2.9412

 172.0701,
216.9511, 80.3037

 14.0797, 22.1335,
1.0647

 211.2265,
263.2429, 105.5533

 8.2582, 13.9551,
0.0000

 255.9136,
315.6915, 135.6079

 4.3138, 8.0894,
0.0000

306.4967,

 1.8811, 4.1522,

374.6813, 170.8862

0.0000

363.3412,
440.5967, 211.8065

■ 0.5658, 1.7591,
0.0000

■ 0.0000, 0.4615,
0.0000

■ 63.4438, 85.6638,
18.9853

■ 63.4438, 85.6638,
18.9853

■ 61.0703, 84.5143,
15.5273

■ 66.2274, 86.9853,
24.2470

■ 59.0592, 83.5176,
13.6242

■ 69.4602, 88.4943,
31.5117

■ 57.7446, 82.8535,
12.9489

■ 73.1762, 90.2048,
40.9559

■ 77.4058, 92.1289,
52.7363

■ 82.1769, 94.2778,
66.9948

■ 87.5148, 96.6618,
83.8622

■ 93.4434, 99.2905,
103.4601

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



84.6998, 85.6638, 14.9879



63.4438, 85.6638, 18.9853



49.7459, 85.6638, 38.2810

Triad

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



63.4438, 85.6638, 18.9853



58.8152, 85.6638, 244.4063



134.6415, 85.6638, 102.8510

Complementary

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



63.4438, 85.6638, 18.9853



27.3119, 15.2466, 96.1111

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.



124.3022, 85.6638, 185.1867



63.4438, 85.6638, 18.9853



78.2277, 85.6638, 288.1017

Square

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



63.4438, 85.6638, 18.9853



47.4522, 85.6638, 160.9701



102.5085, 85.6638, 262.4470



128.6421, 85.6638, 47.8477

Rectangle

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



63.4438, 85.6638, 18.9853



45.3109, 85.6638, 65.3437



102.5085, 85.6638, 262.4470



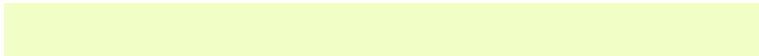
132.9159, 85.6638, 128.2053

Sweetspot

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



63.4439, 85.6638, 18.9865



82.4536, 94.4019, 67.8476



48.2701, 33.5510, 9.7274



17.3580, 20.0755, 13.6323



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.



63.4439, 85.6638, 18.9865



60.1330, 84.0528, 14.5044



44.5200, 75.9082, 18.1009



19.1041, 20.8551, 19.1629



30.3144, 43.3657, 6.7727



3.0497, 4.2729, 0.6640

Inverse Universe

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



27.3119, 15.2466, 96.1111



22.5394, 10.3479, 95.4171



45.6023, 24.6756, 96.9671



17.4168, 17.5911, 22.7274



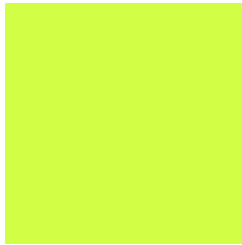
10.5819, 4.3657, 49.7195



1.1237, 0.4732, 4.8454

Previews

White Background



This preview shows how the XYZ color 63.4438, 85.6638, 18.9853 looks on a white background.

Color Contrast Check

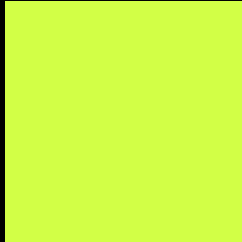
Large Text (above 18pt) WCAG AA × Fail

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 63.4438, 85.6638, 18.9853 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 63.4438, 85.6638, 18.9853

Background



This preview shows how black text looks on a background with the XYZ color 63.4438, 85.6638, 18.9853.

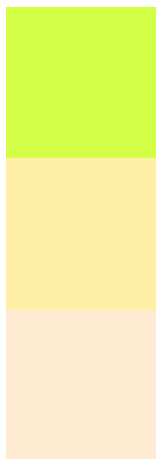


This preview shows how white text looks on a background with the XYZ color 63.4438, 85.6638,

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

63.4438, 85.6638, 18.9853

Protanopia

78.6061, 85.1257, 47.8852

Deuteranopia

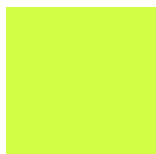
82.2957, 84.7588, 72.9954



Tritanopia

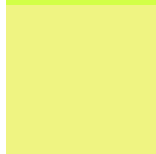
81.5795, 85.3580, 106.7838

Trichromacy



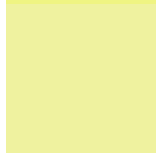
Original Color

63.4438, 85.6638, 18.9853



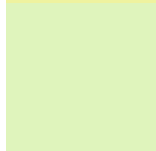
Protanomaly

71.9766, 84.6638, 33.6673



Deuteranomaly

73.6067, 84.3582, 45.2042



Tritanomaly

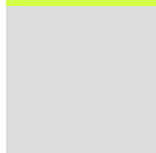
71.8592, 84.0202, 60.0071

Monochromacy



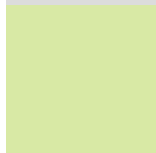
Original Color

63.4438, 85.6638, 18.9853



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.2493, 75.5934, 46.8020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4438, 85.6638, 18.9853 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(210, 255, 70)` looks like.

```
.text, #text, p{  
    color:rgb(210, 255, 70)  
}
```

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(210, 255, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 70) }
```

Border

The CSS property to change the border of an element to XYZ 63.4438, 85.6638, 18.9853 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(210, 255, 70) }
```


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

```
.border{ border-color:rgb(210, 255, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 255, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 70);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4438, 85.6638, 18.9853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 70) }
```

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

```
.background{ background-color: rgb(210,  
255, 70) }
```

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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