

Converting Colors

XYZ(63.0337, 85.4655, 18.3750)

Have a look what the booklet for
XYZ(63.0337, 85.4655, 18.3750)
contains.

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Color

**XYZ(63.0379, 85.4687,
18.3289)**

Conversions

Conversions Part 1

Format	Color
Hex	D1FF42
RGB	209, 255, 66
RGB Percent	82%, 100%, 26%
CMY	0.1804, 0.0000, 0.7411
CMYK	0.18, 0.00, 0.74, 0.00
HSL	75°, 100%, 63%
HSV	75°, 74%, 100%
XYZ	63.0379, 85.4687, 18.3289
YIQ	219.7000, 33.2530, -68.5310

Conversions

Conversions Part 2

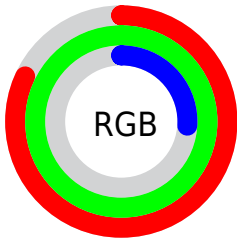
Format	Color
R _Y B	66, 255, 112
Decimal	13762370
CIE Lab	94.08, -38.46, 79.37
CIE LCh	94, 88.200, 115.856
Yxy	85.4687, 0.3778, 0.5123
Android (android.graphics.Color)	4291952450 (0xFFD1FF42)
YUV	219.7000, -75.7741, -9.3839
Hunter-Lab	92.4493, -40.0734, 52.9597

Details

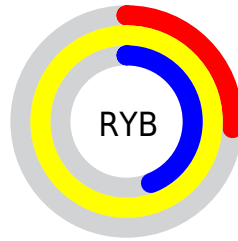
The XYZ color **63.0379, 85.4687, 18.3289** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **26.6818, 14.5626, 96.0123**, and the grayscale version is **68.3135, 71.8711, 78.2677**.

A 20% lighter version of the original color is **80.7659, 94.2864, 33.6809**, and **32.7718, 46.8722, 7.3200** is the 20% darker color. If you saturate the color by 10%, you get **60.7239, 84.3441, 15.1326**, and if you desaturate by 10%, it is **65.7552, 86.7624, 23.2938**.

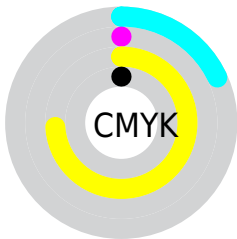
Distribution



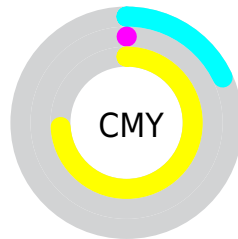
- Red (82%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0379, 85.4687, 18.3289 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 63.0379, 85.4687, 18.3289 by changing the saturation by 10% instead.


 63.0379, 85.4687,
18.3289


 63.0379, 85.4687,
18.3289


425.3645,
513.1777, 255.0165


 46.1306, 64.2287,
11.0145


 108.3057,
141.0278, 41.4185


 32.5540, 46.8360,
5.9623


 137.3969,
176.1158, 58.0307


 21.9426, 32.9060,
2.7537

 171.2802,
216.5885, 78.5793

 13.9311, 22.0544,
0.9703

 210.3209,
262.8304, 103.4828

 8.1541, 13.8969,
0.0000

 254.8843,
315.2259, 133.1597

 4.2464, 8.0490,
0.0000

305.3358,

 1.8424, 4.1263,

374.1593, 168.0286

0.0000

362.0407,
440.0151, 208.5080

■ 0.5430, 1.7445,
0.0000

■ 0.0000, 0.4522,
0.0000

■ 63.0379, 85.4687,
18.3289

■ 63.0379, 85.4687,
18.3289

■ 60.7239, 84.3441,
15.1326

■ 65.7552, 86.7624,
23.2938

■ 58.7640, 83.3690,
13.4469

■ 68.9160, 88.2416,
30.2320

■ 57.7353, 82.8487,
12.9484

■ 72.5550, 89.9201,
39.3237

■ 76.7032, 91.8104,
50.7279

■ 81.3887, 93.9240,
64.5889

■ 86.6373, 96.2710,
81.0389

■ 92.4730, 98.8614,
100.2008

■ 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.



84.5532, 85.4687, 14.3720



63.0379, 85.4687, 18.3289



49.2158, 85.4687, 37.5847

Triad

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



63.0379, 85.4687, 18.3289



58.3701, 85.4687, 247.0231



135.3109, 85.4687, 102.7545

Complementary

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



63.0379, 85.4687, 18.3289



26.6818, 14.5626, 96.0123

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.



124.7904, 85.4687, 186.5220



63.0379, 85.4687, 18.3289



78.0056, 85.4687, 291.6957

Square

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



63.0379, 85.4687, 18.3289



46.9090, 85.4687, 161.8807



102.6359, 85.4687, 265.4360



129.1996, 85.4687, 47.1736

Rectangle

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



63.0379, 85.4687, 18.3289



44.7506, 85.4687, 64.8222



102.6359, 85.4687, 265.4360



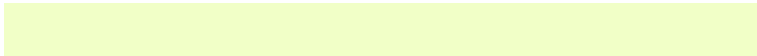
133.5553, 85.4687, 128.4994

Sweetspot

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



63.0379, 85.4687, 18.3301



82.4508, 94.4005, 67.8475



47.8109, 32.8281, 8.9720



17.3573, 20.0752, 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.



63.0379, 85.4687, 18.3301



59.7258, 83.8505, 14.1386



44.0001, 75.6543, 17.4391



19.1039, 20.8550, 19.1629



30.3096, 43.3633, 6.7725



3.0493, 4.2727, 0.6640

Inverse Universe

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



26.6818, 14.5626, 96.0123



22.0593, 9.9051, 95.3570



45.0658, 24.0399, 96.8727



17.4170, 17.5912, 22.7274



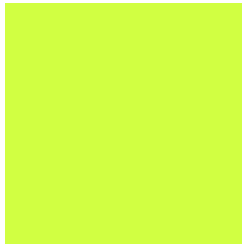
10.5832, 4.3663, 49.7196



1.1238, 0.4733, 4.8454

Previews

White Background



This preview shows how the XYZ color 63.0379, 85.4687, 18.3289 looks on a white background.

Color Contrast Check

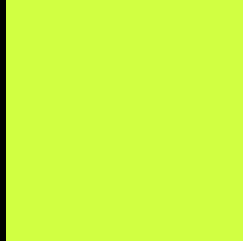
Large Text (above 18pt) WCAG AA × Fail

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 63.0379, 85.4687, 18.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

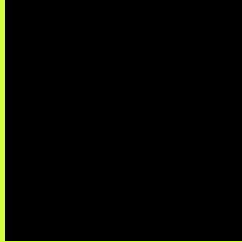
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 63.0379, 85.4687, 18.3289

Background



This preview shows how black text looks on a background with the XYZ color 63.0379, 85.4687, 18.3289.

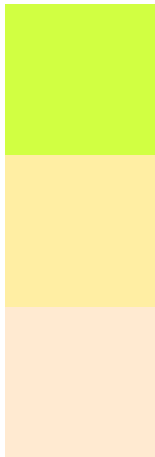


This preview shows how white text looks on a background with the XYZ color 63.0379, 85.4687,

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

63.0379, 85.4687, 18.3289

Protanopia

78.4254, 85.0534, 46.9338

Deuteranopia

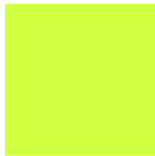
82.1714, 84.7091, 72.3412



Tritanopia

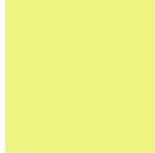
81.2577, 85.1921, 106.7687

Trichromacy



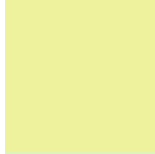
Original Color

63.0379, 85.4687, 18.3289



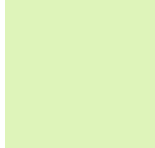
Protanomaly

71.5069, 84.4370, 32.9512



Deuteranomaly

73.0978, 84.1157, 44.2816



Tritanomaly

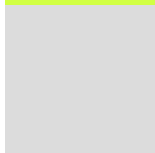
71.3378, 83.7761, 58.8649

Monochromacy



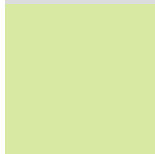
Original Color

63.0379, 85.4687, 18.3289



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.1587, 75.5571, 46.3244

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0379, 85.4687, 18.3289 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(209, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 66)  
}
```

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(209, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 66) }
```

Border

The CSS property to change the border of an element to XYZ 63.0379, 85.4687, 18.3289 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(209, 255, 66) }
```


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

```
.border{ border-color:rgb(209, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0379, 85.4687, 18.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 66) }
```

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

```
.background{ background-color: rgb(209,  
255, 66) }
```

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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