

Converting Colors

XYZ(62.7470, 85.3821, 14.5965)

Have a look what the booklet for
XYZ(62.7470, 85.3821, 14.5965)
contains.

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Color

**XYZ(62.8985, 85.4787,
14.6228)**

Conversions

Conversions Part 1

Format	Color
Hex	D3FF21
RGB	211, 255, 33
RGB Percent	83%, 100%, 13%
CMY	0.1726, 0.0000, 0.8705
CMYK	0.17, 0.00, 0.87, 0.00
HSL	72°, 100%, 56%
HSV	72°, 87%, 100%
XYZ	62.8985, 85.4787, 14.6228
YIQ	216.5360, 45.0380, -78.3700

Conversions

Conversions Part 2

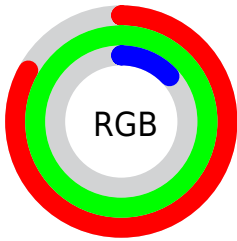
Format	Color
R _Y B	33, 255, 77
Decimal	13893409
CIE Lab	94.09, -38.81, 87.39
CIE LCh	94, 95.617, 113.944
Yxy	85.4787, 0.3859, 0.5244
Android (android.graphics.Color)	4292083489 (0xFFD3FF21)
YUV	216.5360, -90.4832, -4.8551
Hunter-Lab	92.4547, -40.3591, 55.3409

Details

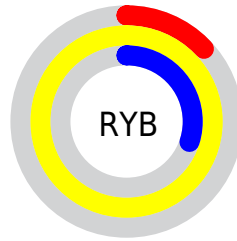
The XYZ color **62.8985, 85.4787, 14.6228** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light washed yellow. A complement of this color would be **21.6562, 9.8871, 95.3747**, and the grayscale version is **66.2142, 69.6625, 75.8625**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **32.9566, 46.9675, 7.3286** is the 20% darker color. If you saturate the color by 10%, you get **61.2395, 84.6504, 13.3273**, and if you desaturate by 10%, it is **64.8717, 86.4379, 17.3372**.

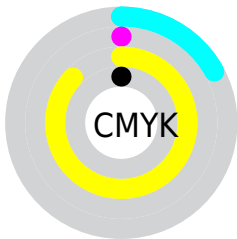
Distribution



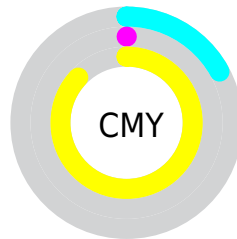
- Red (83%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (30%)



- Cyan (17%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.8985, 85.4787, 14.6228 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 62.8985, 85.4787, 14.6228 by changing the saturation by 10% instead.


 62.8985, 85.4787,
14.6228

 62.8985, 85.4787,
14.6228


424.8665,
513.2107, 232.6332


 46.0174, 64.2370,
8.4114


 108.1057,
141.0418, 34.9230


 32.4643, 46.8426,
4.2678


 137.1625,
176.1320, 49.8489


 21.8736, 32.9113,
1.7734

 171.0087,
216.6071, 68.5166

 13.8801, 22.0585,
0.4103

 210.0095,
262.8516, 91.3449

 8.1185, 13.8999,
0.0000

 254.5304,
315.2498, 118.7521

 4.2233, 8.0511,
0.0000

304.9366,

 1.8292, 4.1276,

374.1861, 151.1569

0.0000

361.5935,
440.0450, 188.9778

■ 0.5352, 1.7452,
0.0000

■ 0.0000, 0.4527,
0.0000

■ 62.8985, 85.4787,
14.6228

■ 62.8985, 85.4787,
14.6228

■ 61.2395, 84.6504,
13.3273

■ 64.8717, 86.4379,
17.3372

■ 60.7868, 84.4218,
13.0912

■ 67.2126, 87.5495,
21.7470

■ 69.9633, 88.8304,
28.0726

■ 73.1595, 90.2948,
36.5003

■ 76.8328, 91.9556,
47.1945

■ 81.0117, 93.8241,
60.3034

■ 85.7224, 95.9108,
75.9623

■ 90.9891, 98.2255,
94.2968

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.



86.5374, 85.4787, 11.5684



62.8985, 85.4787, 14.6228



47.6569, 85.4787, 32.4052

Triad

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



62.8985, 85.4787, 14.6228



55.6310, 85.4787, 259.3793



140.5234, 85.4787, 108.7140

Complementary

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



62.8985, 85.4787, 14.6228



21.6562, 9.8871, 95.3747

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.



127.7689, 85.4787, 202.8304



62.8985, 85.4787, 14.6228



76.1728, 85.4787, 314.7088

Square

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



62.8985, 85.4787, 14.6228



44.1175, 85.4787, 162.6212



102.8514, 85.4787, 289.8910



134.9050, 85.4787, 46.8631

Rectangle

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



62.8985, 85.4787, 14.6228



42.5973, 85.4787, 59.3378



102.8514, 85.4787, 289.8910



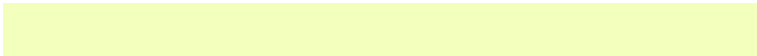
138.1711, 85.4787, 137.6461

Sweetspot

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



62.8985, 85.4787, 14.6240



81.4821, 94.0333, 61.8292



43.9444, 26.2292, 4.1866



17.1139, 19.9816, 12.1819



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.



62.8985, 85.4787, 14.6240



60.7868, 84.4218, 13.0912



41.6640, 74.5319, 13.6302



19.1877, 20.8982, 19.1668



31.8868, 44.1763, 6.8463



3.1903, 4.3454, 0.6706

Inverse Universe

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



21.6562, 9.8871, 95.3747



19.3924, 7.9120, 95.1128



38.5308, 18.5862, 96.1644



17.3391, 17.5510, 22.7238



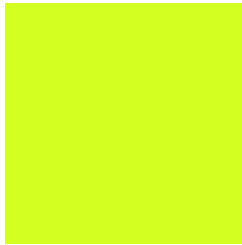
10.2275, 4.1829, 49.7029



1.0790, 0.4502, 4.8433

Previews

White Background



This preview shows how the XYZ color 62.8985, 85.4787, 14.6228 looks on a white background.

Color Contrast Check

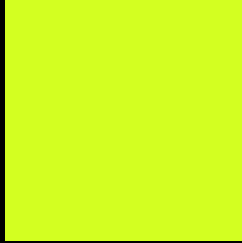
Large Text (above 18pt) WCAG AA × Fail

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 62.8985, 85.4787, 14.6228 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 62.8985, 85.4787, 14.6228

Background



This preview shows how black text looks on a background with the XYZ color 62.8985, 85.4787, 14.6228.

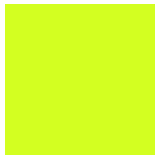


This preview shows how white text looks on a background with the XYZ color 62.8985, 85.4787,

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

62.8985, 85.4787, 14.6228



Protanopia

78.4254, 85.0534, 46.9338



Deuteranopia

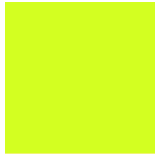
82.0480, 84.6597, 71.6911



Tritanopia

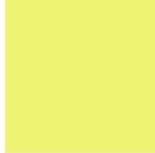
81.6129, 84.9442, 106.7021

Trichromacy



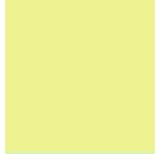
Original Color

62.8985, 85.4787, 14.6228



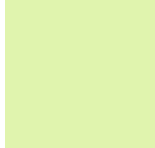
Protanomaly

71.0997, 84.3130, 29.0497



Deuteranomaly

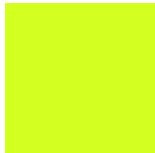
72.3828, 83.8686, 38.7588



Tritanomaly

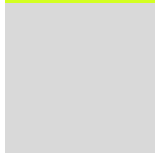
70.7311, 83.6047, 52.4538

Monochromacy



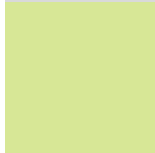
Original Color

62.8985, 85.4787, 14.6228



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

62.1053, 73.8009, 39.8259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.8985, 85.4787, 14.6228 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(211, 255, 33)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 33)  
}
```

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(211, 255, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 33) }
```

Border

The CSS property to change the border of an element to XYZ 62.8985, 85.4787, 14.6228 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(211, 255, 33) }
```


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

```
.border{ border-color:rgb(211, 255, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 62.8985, 85.4787, 14.6228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 33) }
```

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

```
.background{ background-color: rgb(211,  
255, 33) }
```

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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