

Converting Colors

XYZ(63.2732, 85.6952, 13.5878)

Have a look what the booklet for
XYZ(63.2732, 85.6952, 13.5878)
contains.

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Color

**XYZ(63.2732, 85.6952,
13.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FF0D
RGB	213, 255, 13
RGB Percent	84%, 100%, 5%
CMY	0.1647, 0.0000, 0.9489
CMYK	0.16, 0.00, 0.95, 0.00
HSL	70°, 100%, 53%
HSV	70°, 95%, 100%
XYZ	63.2732, 85.6952, 13.5867
YIQ	214.8540, 52.6500, -84.1660

Conversions

Conversions Part 2

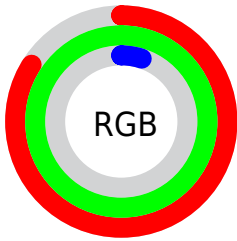
Format	Color
R _Y B	13, 255, 55
Decimal	14024461
CIE Lab	94.18, -38.34, 90.03
CIE LCh	94, 97.852, 113.069
Yxy	85.6952, 0.3892, 0.5272
Android (android.graphics.Color)	4292214541 (0xFFD5FF0D)
YUV	214.8540, -99.5140, -1.6260
Hunter-Lab	92.5717, -39.9949, 56.0982

Details

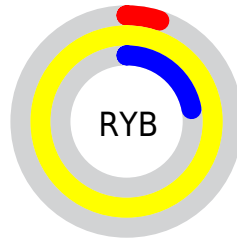
The XYZ color **63.2732, 85.6952, 13.5867** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.7717, 8.3219, 95.1719**, and the grayscale version is **65.1220, 68.5134, 74.6111**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **33.3310, 47.1605, 7.3462** is the 20% darker color. If you saturate the color by 10%, you get **62.5487, 85.3301, 13.1737**, and if you desaturate by 10%, it is **64.8604, 86.4804, 15.1530**.

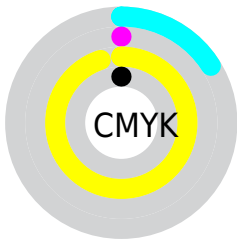
Distribution



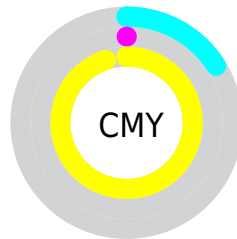
- Red (84%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (22%)



- Cyan (16%)
- Magenta (0%)
- Yellow (95%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2732, 85.6952, 13.5867 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 63.2732, 85.6952, 13.5867 by changing the saturation by 10% instead.


 63.2732, 85.6952,
13.5867


 63.2732, 85.6952,
13.5867


426.2042,
513.9256, 225.9826

 46.3217, 64.4160,
7.6983


 108.6432,
141.3441, 33.0604


 32.7055, 46.9877,
3.8175


 137.7924,
176.4825, 47.4827


 22.0591, 33.0259,
1.5258


 171.7382,
217.0094, 65.5869

 14.0172, 22.1463,
0.2370

 210.8460,
263.3093, 87.7913

 8.2144, 13.9644,
0.0000

 255.4812,
315.7664, 114.5145

 4.2854, 8.0959,
0.0000

 306.0090,

 1.8648, 4.1564,

374.7653, 146.1751

0.0000

362.7949,
440.6902, 183.1916

■ 0.5563, 1.7614,
0.0000

■ 0.0000, 0.4630,
0.0000

■ 63.2732, 85.6952,
13.5867

■ 63.2732, 85.6952,
13.5867

■ 62.5487, 85.3301,
13.1737

■ 64.8604, 86.4804,
15.1530

■ 66.7652, 87.3967,
18.2057

■ 69.0369, 88.4640,
23.0055

■ 71.7160, 89.6983,
29.7632

74.8371, 91.1136,
38.6597

78.4309, 92.7222,
49.8555

82.5251, 94.5352,
63.4957

87.1454, 96.5629,
79.7133

92.3154, 98.8147,
98.6320

Harmonies

Analogous

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



87.6785, 85.6952, 10.8885



63.2732, 85.6952, 13.5867



47.4708, 85.6952, 30.7196

Triad

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



63.2732, 85.6952, 13.5867



54.7907, 85.6952, 262.5332



142.3473, 85.6952, 111.8112

Complementary

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



63.2732, 85.6952, 13.5867



19.7717, 8.3219, 95.1719

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.



128.6869, 85.6952, 209.5216



63.2732, 85.6952, 13.5867



75.5250, 85.6952, 322.1018

Square

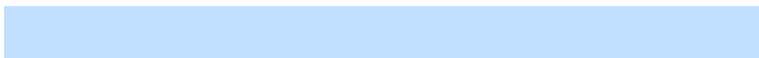
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.2732, 85.6952, 13.5867



43.3566, 85.6952, 161.9752



102.8135, 85.6952, 298.7606



137.1056, 85.6952, 47.4459

Rectangle

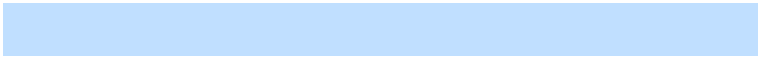
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.2732, 85.6952, 13.5867



42.1569, 85.6952, 57.3012



102.8135, 85.6952, 298.7606



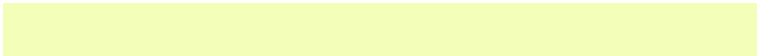
139.7312, 85.6952, 141.9113

Sweetspot

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



63.2732, 85.6952, 13.5878



81.1963, 93.9487, 58.9823



42.6025, 23.8683, 2.7435



17.0025, 19.9420, 11.3714



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.



63.2732, 85.6952, 13.5878



62.5487, 85.3301, 13.1737



40.4171, 73.9124, 12.5182



19.2336, 20.9219, 19.1689



32.7963, 44.6452, 6.8888



3.2710, 4.3870, 0.6744

Inverse Universe

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



19.7717, 8.3219, 95.1719



19.1000, 7.7613, 95.0991



35.7267, 16.5469, 95.9186



17.2969, 17.5293, 22.7218



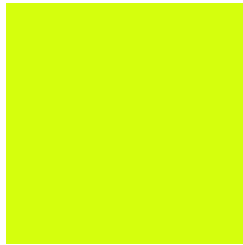
10.0650, 4.0992, 49.6953



1.0572, 0.4389, 4.8423

Previews

White Background



This preview shows how the XYZ color 63.2732, 85.6952, 13.5867 looks on a white background.

Color Contrast Check

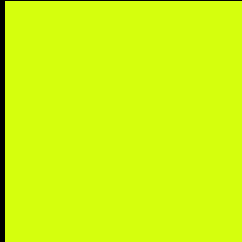
Large Text (above 18pt) WCAG AA × Fail

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 63.2732, 85.6952, 13.5867 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 63.2732, 85.6952, 13.5867

Background



This preview shows how black text looks on a background with the XYZ color 63.2732, 85.6952, 13.5867.

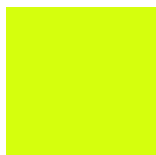


This preview shows how white text looks on a background with the XYZ color 63.2732, 85.6952,

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



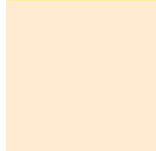
Original Color

63.2732, 85.6952, 13.5867



Protanopia

78.6061, 85.1257, 47.8852



Deuteranopia

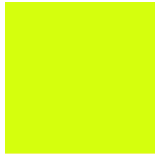
82.4570, 85.2801, 72.4364



Tritanopia

82.2659, 85.2808, 106.7327

Trichromacy



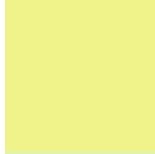
Original Color

63.2732, 85.6952, 13.5867



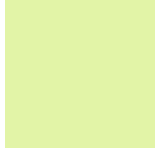
Protanomaly

71.1003, 84.3524, 27.2861



Deuteranomaly

72.2748, 83.8645, 36.4229



Tritanomaly

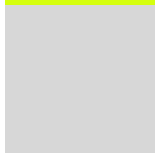
70.6898, 83.6601, 48.9815

Monochromacy



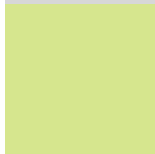
Original Color

63.2732, 85.6952, 13.5867



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.9109, 72.8428, 36.4409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2732, 85.6952, 13.5867 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(213, 255, 13)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 13)  
}
```

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(213, 255, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 13) }
```

Border

The CSS property to change the border of an element to XYZ 63.2732, 85.6952, 13.5867 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(213, 255, 13) }
```


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

```
.border{ border-color:rgb(213, 255, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 255, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 13);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
13) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2732, 85.6952, 13.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 13) }
```

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

```
.background{ background-color: rgb(213,  
255, 13) }
```

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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