

Converting Colors

XYZ(63.0563, 85.5918, 13.1974)

Have a look what the booklet for
XYZ(63.0563, 85.5918, 13.1974)
contains.

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Color

**XYZ(63.2006, 85.6661,
13.2042)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FF00
RGB	213, 255, 0
RGB Percent	84%, 100%, 0%
CMY	0.1647, 0.0000, 0.9998
CMYK	0.16, 0.00, 1.00, 0.00
HSL	70°, 100%, 50%
HSV	70°, 100%, 100%
XYZ	63.2006, 85.6661, 13.2042
YIQ	213.3720, 56.8230, -88.2090

Conversions

Conversions Part 2

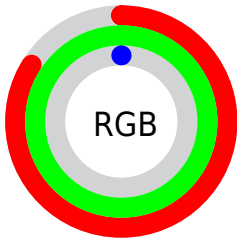
Format	Color
RYB	0, 255, 42
Decimal	14024448
CIELab	94.17, -38.46, 90.95
CIELCh	94, 98.748, 112.919
Yxy	85.6661, 0.3900, 0.5286
Android (android.graphics.Color)	4292214528 (0xFFD5FF00)
YUV	213.3720, -105.1924, -0.3262
Hunter-Lab	92.5560, -40.0867, 56.3308

Details

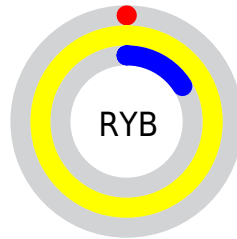
The XYZ color **63.2006, 85.6661, 13.2042** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.0070, 7.7140, 95.0949**, and the grayscale version is **64.1543, 67.4953, 73.5024**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **33.3310, 47.1605, 7.3462** is the 20% darker color. If you saturate the color by 10%, you get **63.1985, 85.6651, 13.2041**, and if you desaturate by 10%, it is **64.6162, 86.3749, 14.2170**.

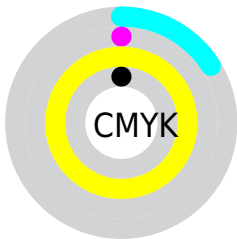
Distribution



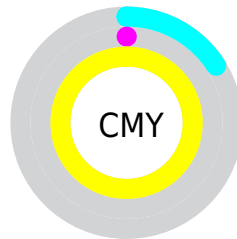
- Red (84%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (16%)



- Cyan (16%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2006, 85.6661, 13.2042 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 63.2006, 85.6661, 13.2042 by changing the saturation by 10% instead.


 63.2006, 85.6661,
13.2042

 63.2006, 85.6661,
13.2042


425.9452,
513.8296, 223.4758


 46.2628, 64.3919,
7.4369


 108.5391,
141.3034, 32.3667

 32.6587, 46.9682,
3.6543


 137.6704,
176.4354, 46.5990


 22.0231, 33.0105,
1.4377

 171.5969,
216.9554, 64.4901

 13.9906, 22.1345,
0.1708

 210.6840,
263.2478, 86.4585

 8.1958, 13.9557,
0.0000

 255.2971,
315.6970, 112.9227

 4.2733, 8.0899,
0.0000

 305.8014,

 1.8579, 4.1525,

374.6874, 144.3013

0.0000

362.5623,
440.6035, 181.0128

■ 0.5522, 1.7592,
0.0000

■ 0.0000, 0.4616,
0.0000

■ 63.2006, 85.6661,
13.2042

■ 63.2006, 85.6661,
13.2042

■ 63.1985, 85.6651,
13.2041

■ 64.6162, 86.3749,
14.2170

■ 66.2994, 87.1945,
16.4725

■ 68.3226, 88.1538,
20.3508

■ 70.7300, 89.2704,
26.0839

■ 73.5588, 90.5594,
33.8666

■ 76.8415, 92.0337,
43.8688

■ 80.6072, 93.7050,
56.2430

■ 84.8826, 95.5840,
71.1280

■ 89.6922, 97.6806,
88.6520

Harmonies

Analogous

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



87.8466, 85.6661, 10.5819



63.2006, 85.6661, 13.2042



47.2505, 85.6661, 30.1844

Triad

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



63.2006, 85.6661, 13.2042



54.4760, 85.6661, 264.1200



142.9485, 85.6661, 112.3825

Complementary

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



63.2006, 85.6661, 13.2042



19.0070, 7.7140, 95.0949

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.



129.0411, 85.6661, 211.3543



63.2006, 85.6661, 13.2042



75.3206, 85.6661, 324.9253

Square

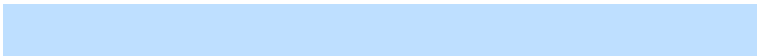
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.2006, 85.6661, 13.2042



43.0266, 85.6661, 162.1706



102.8493, 85.6661, 301.6631



137.7411, 85.6661, 47.3194

Rectangle

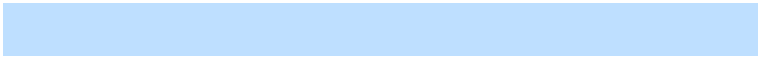
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.2006, 85.6661, 13.2042



41.8804, 85.6661, 56.7394



102.8493, 85.6661, 301.6631



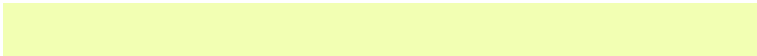
140.2685, 85.6661, 142.8615

Sweetspot

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



63.2006, 85.6661, 13.2054



80.6008, 93.7022, 56.2214



41.9425, 22.6646, 2.1652



16.8991, 19.9000, 10.8535



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.



63.2006, 85.6661, 13.2054



63.1985, 85.6651, 13.2041



39.9066, 73.6576, 12.1152



19.2502, 20.9304, 19.1697



33.1316, 44.8180, 6.9045



3.3006, 4.4023, 0.6758

Inverse Universe

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



19.0070, 7.7140, 95.0949



19.0051, 7.7124, 95.0947



33.7269, 15.3024, 95.7838



17.2817, 17.5215, 22.7211



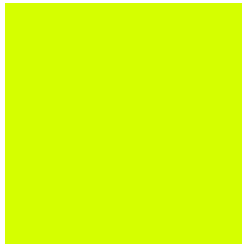
10.0119, 4.0718, 49.6928



1.0498, 0.4351, 4.8419

Previews

White Background



This preview shows how the XYZ color 63.2006, 85.6661, 13.2042 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 63.2006, 85.6661, 13.2042 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 63.2006, 85.6661, 13.2042

Background



This preview shows how black text looks on a background with the XYZ color 63.2006, 85.6661, 13.2042.



This preview shows how white text looks on a background with the XYZ color 63.2006, 85.6661,

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



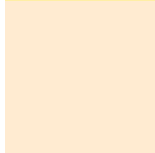
Original Color

63.2006, 85.6661, 13.2042



Protanopia

78.6061, 85.1257, 47.8852



Deuteranopia

82.4570, 85.2801, 72.4364



Tritanopia

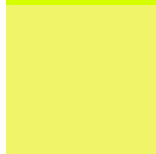
82.2659, 85.2808, 106.7327

Trichromacy



Original Color

63.2006, 85.6661, 13.2042



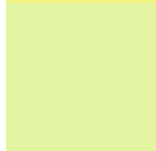
Protanomaly

70.8357, 84.2466, 25.8924



Deuteranomaly

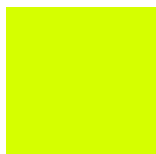
71.9209, 83.7230, 34.5598



Tritanomaly

70.2363, 83.4788, 46.5936

Monochromacy



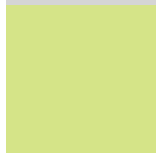
Original Color

63.2006, 85.6661, 13.2042



Achromatopsia

63.2451, 66.5387, 72.4607



Achromatomaly

59.6279, 71.4105, 33.9334

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2006, 85.6661, 13.2042 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.2006, 85.6661, 13.2042 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, 0) }
```


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

```
.border{ border-color:rgb(213, 255, 0) }
```

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, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2006, 85.6661, 13.2042 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, 0) }
```

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

```
.background{ background-color: rgb(213,  
255, 0) }
```

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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