

Converting Colors

XYZ(63.7475, 85.6710, 25.7467)

Have a look what the booklet for
XYZ(63.7475, 85.6710, 25.7467)
contains.

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Color

**XYZ(63.6119, 85.6011,
25.7403)**

Conversions

Conversions Part 1

Format	Color
Hex	CEFF66
RGB	206, 255, 102
RGB Percent	81%, 100%, 40%
CMY	0.1922, 0.0000, 0.6000
CMYK	0.19, 0.00, 0.60, 0.00
HSL	79°, 100%, 70%
HSV	79°, 60%, 100%
XYZ	63.6119, 85.6011, 25.7403
YIQ	222.9070, 19.9090, -57.9710

Conversions

Conversions Part 2

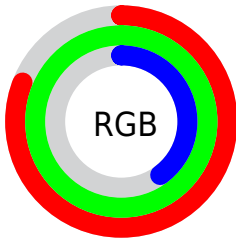
Format	Color
RYB	102, 255, 151
Decimal	13565798
CIELab	94.14, -37.39, 66.23
CIELCh	94, 76.059, 119.446
Yxy	85.6011, 0.3636, 0.4893
Android (android.graphics.Color)	4291755878 (0xFFCEFF66)
YUV	222.9070, -59.6072, -14.8274
Hunter-Lab	92.5209, -39.1854, 48.2695

Details

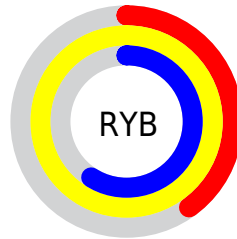
The XYZ color **63.6119, 85.6011, 25.7403** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.5651, 23.3034, 97.2313**, and the grayscale version is **70.4730, 74.1430, 80.7418**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **32.8429, 46.8585, 9.5991** is the 20% darker color. If you saturate the color by 10%, you get **60.3268, 84.0319, 19.9700**, and if you desaturate by 10%, it is **67.4040, 87.3868, 33.5662**.

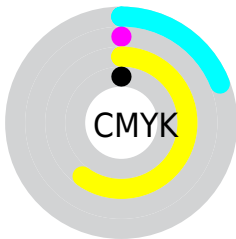
Distribution



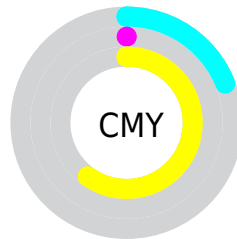
- Red (81%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (59%)



- Cyan (19%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.6119, 85.6011, 25.7403 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 63.6119, 85.6011, 25.7403 by changing the saturation by 10% instead.


 63.6119, 85.6011,
25.7403


 63.6119, 85.6011,
25.7403


427.4113,
513.6150, 295.0697

 46.5969, 64.3382,
16.4054


 109.1287,
141.2127, 53.8346


 32.9237, 46.9246,
9.6541


 138.3612,
176.3302, 73.4312

 22.2270, 32.9761,
5.0676


 172.3969,
216.8346, 97.2853

 14.1413, 22.1081,
2.2275

 211.6012,
263.1104, 125.8157

 8.3014, 13.9364,
0.6902

256.3394,
315.5419, 159.4408

 4.3418, 8.0764,
0.0000

306.9770,

 1.8973, 4.1439,

374.5136, 198.5791

0.0000

363.8791,
440.4098, 243.6492

■ 0.5752, 1.7544,
0.0000

■ 0.0000, 0.4585,
0.0000

■ 63.6119, 85.6011,
25.7403

■ 63.6119, 85.6011,
25.7403

■ 60.3268, 84.0319,
19.9700

■ 67.4040, 87.3868,
33.5662

■ 57.5095, 82.6633,
16.0570

■ 71.7367, 89.4024,
43.6144

■ 55.1143, 81.4766,
13.7702

■ 76.6407, 91.6606,
56.0384

■ 53.0672, 80.4422,
12.7301

■ 82.1441, 94.1728,
70.9772

■ 53.0668, 80.4420,
12.7299

■ 88.2728, 96.9494,
88.5592

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.



81.7402, 85.6011, 20.0816



63.6119, 85.6011, 25.7403



52.1188, 85.6011, 47.0782

Triad

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



63.6119, 85.6011, 25.7403



63.0573, 85.6011, 226.7349



127.0628, 85.6011, 94.2928

Complementary

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



63.6119, 85.6011, 25.7403



35.5651, 23.3034, 97.2313

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.



119.8955, 85.6011, 162.5155



63.6119, 85.6011, 25.7403



80.9835, 85.6011, 256.0311

Square

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



63.6119, 85.6011, 25.7403



51.8381, 85.6011, 159.8117



102.1387, 85.6011, 228.7005



120.3862, 85.6011, 48.2786

Rectangle

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



63.6119, 85.6011, 25.7403



48.6552, 85.6011, 74.1597



102.1387, 85.6011, 228.7005



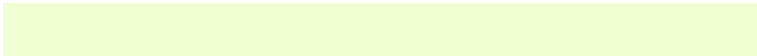
126.1767, 85.6011, 115.2603

Sweetspot

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



63.6121, 85.6012, 25.7415



83.3180, 94.7061, 74.2753



54.6173, 44.1770, 18.2199



17.4694, 20.1055, 14.8775



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.



63.6121, 85.6012, 25.7415



59.7268, 83.7424, 19.0447



47.3726, 77.2295, 24.9815



18.9624, 20.7820, 19.1562



27.8910, 42.1164, 6.6593



2.8296, 4.1595, 0.6537

Inverse Universe

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



35.5651, 23.3034, 97.2313



29.5657, 16.5393, 96.2419



54.4648, 33.0465, 98.1157



17.5506, 17.6601, 22.7337



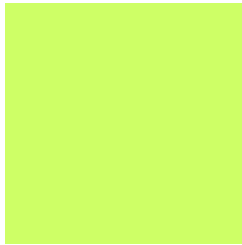
11.3715, 4.7727, 49.7565



1.2154, 0.5205, 4.8497

Previews

White Background



This preview shows how the XYZ color 63.6119, 85.6011, 25.7403 looks on a white background.

Color Contrast Check

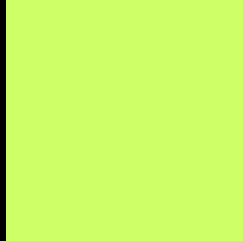
Large Text (above 18pt) WCAG AA × Fail

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 63.6119, 85.6011, 25.7403 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 63.6119, 85.6011, 25.7403

Background



This preview shows how black text looks on a background with the XYZ color 63.6119, 85.6011, 25.7403.



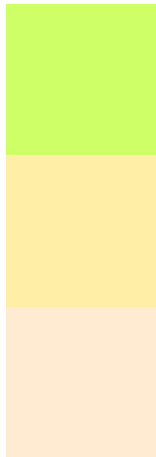
This preview shows how white text looks on a background with the XYZ color 63.6119, 85.6011,

25.7403.

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

63.6119, 85.6011, 25.7403

Protanopia

78.6975, 85.1622, 48.3665

Deuteranopia

82.2957, 84.7588, 72.9954



Tritanopia

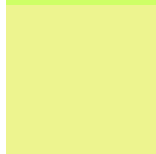
80.5951, 85.2839, 106.8214

Trichromacy



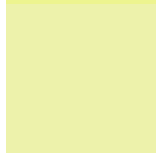
Original Color

63.6119, 85.6011, 25.7403



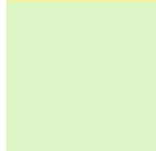
Protanomaly

72.2337, 84.6891, 38.5261



Deuteranomaly

74.0279, 84.4491, 50.9267



Tritanomaly

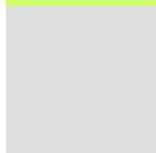
72.1746, 84.4884, 66.5367

Monochromacy



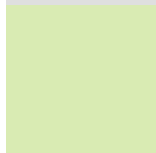
Original Color

63.6119, 85.6011, 25.7403



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.4603, 77.4230, 54.0891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6119, 85.6011, 25.7403 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(206, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 102)  
}
```

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(206, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 63.6119, 85.6011, 25.7403 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(206, 255, 102) }
```


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

```
.border{ border-color:rgb(206, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6119, 85.6011, 25.7403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 102) }
```

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

```
.background{ background-color: rgb(206,  
255, 102) }
```

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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