

Converting Colors

XYZ(63.6681, 80.8199, 35.9154)

Have a look what the booklet for
XYZ(63.6681, 80.8199, 35.9154)
contains.

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Color

**XYZ(63.7461, 80.8126,
35.9055)**

Conversions

Conversions Part 1

Format	Color
Hex	D2F589
RGB	210, 245, 137
RGB Percent	82%, 96%, 54%
CMY	0.1765, 0.0392, 0.4627
CMYK	0.14, 0.00, 0.44, 0.04
HSL	79°, 84%, 75%
HSV	79°, 44%, 96%
XYZ	63.7461, 80.8126, 35.9055
YIQ	222.2230, 13.8080, -41.0080

Conversions

Conversions Part 2

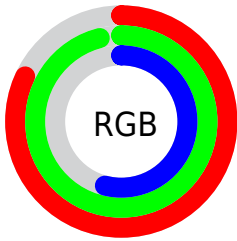
Format	Color
RYB	137, 245, 172
Decimal	13825417
CIELab	92.05, -28.06, 48.11
CIELCh	92, 55.699, 120.250
Yxy	80.8126, 0.3532, 0.4478
Android (android.graphics.Color)	4292015497 (0xFFD2F589)
YUV	222.2230, -42.0149, -10.7196
Hunter-Lab	89.8958, -30.7414, 39.2459

Details

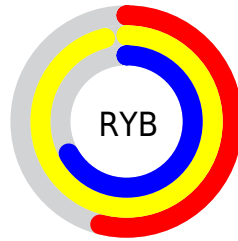
The XYZ color **63.7461, 80.8126, 35.9055** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.4436, 33.2567, 90.5730**, and the grayscale version is **69.8715, 73.5102, 80.0526**.

A 20% lighter version of the original color is **86.5144, 96.5858, 63.9523**, and **33.1243, 43.9053, 15.1162** is the 20% darker color. If you saturate the color by 10%, you get **59.9799, 79.0542, 27.5740**, and if you desaturate by 10%, it is **68.0275, 82.7957, 46.3472**.

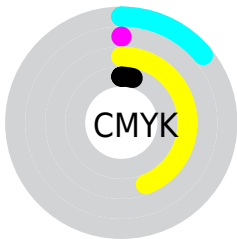
Distribution



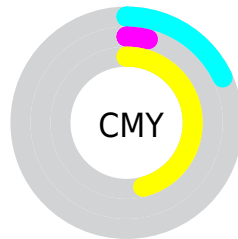
- Red (82%)
- Green (96%)
- Blue (54%)



- Red (54%)
- Yellow (96%)
- Blue (67%)



- Cyan (14%)
- Magenta (0%)
- Yellow (44%)
- Black (4%)





- Cyan (18%)
- Magenta (4%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7461, 80.8126, 35.9055 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 63.7461, 80.8126, 35.9055 by changing the saturation by 10% instead.


 63.7461, 80.8126,
35.9055

 63.7461, 80.8126,
35.9055


427.8890,
497.6671, 343.5722


 46.7060, 60.3873,
24.0721


 109.3210,
134.5076, 70.0536

 33.0102, 43.7309,
15.1744


 138.5864,
168.5461, 93.2054

 22.2936, 30.4590,
8.7939


 172.6577,
207.8910, 120.9670

 14.1906, 20.1872,
4.5120

211.9002,
252.9269, 153.7571

 8.3359, 12.5312,
1.9102

256.6792,
304.0380, 191.9941

 4.3642, 7.1065,
0.4992

307.3601,

 1.9102, 3.5288,

361.6089, 236.0966

0.0000

364.3082,
426.0238, 286.4831

■ 0.5828, 1.4137,
0.0000

■ 0.0000, 0.2268,
0.0000

■ 63.7461, 80.8126,
35.9055

■ 63.7461, 80.8126,
35.9055

■ 59.9799, 79.0542,
27.5740

■ 68.0275, 82.7957,
46.3472

■ 56.6941, 77.4979,
21.2034


■ 72.8446, 85.0034,
59.0246


■ 53.8581, 76.1341,
16.6331


■ 78.2237, 87.4492,
74.0595


■ 51.4346, 74.9477,
13.6750

■ 84.1875, 90.1424,
91.5633

 49.3782, 73.9203,
12.0990

 90.0230, 92.7979,
107.7748

 48.2952, 73.3716,
11.6167

 91.9442, 93.7883,
107.8647

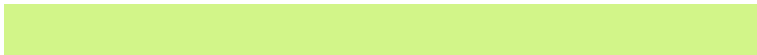
Harmonies

Analogous

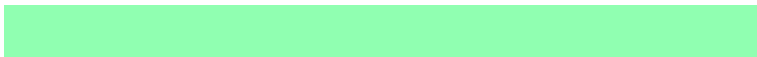
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6895, 80.8126, 30.3119



63.7461, 80.8126, 35.9055



55.2818, 80.8126, 54.3504

Triad

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



63.7461, 80.8126, 35.9055



63.9305, 80.8126, 175.8420



107.7957, 80.8126, 87.6466

Complementary

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



63.7461, 80.8126, 35.9055



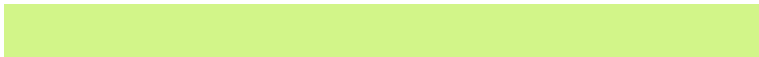
42.4436, 33.2567, 90.5730

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.



103.3069, 80.8126, 133.2529



63.7461, 80.8126, 35.9055



76.9305, 80.8126, 192.8661

Square

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



63.7461, 80.8126, 35.9055



55.3786, 80.8126, 134.0425



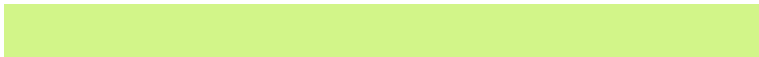
91.5468, 80.8126, 175.2952



103.1602, 80.8126, 53.9182

Rectangle

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



63.7461, 80.8126, 35.9055



52.7249, 80.8126, 75.2910



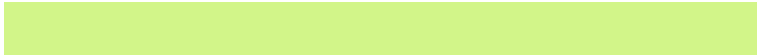
91.5468, 80.8126, 175.2952



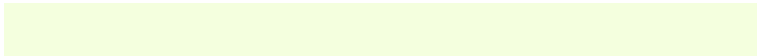
107.2978, 80.8126, 102.0448

Sweetspot

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



63.7481, 80.8162, 35.9072



86.3217, 96.0647, 82.9946



56.7752, 50.4226, 30.4082



18.1827, 20.4287, 16.9223



0.0000, 0.0000, 0.0000



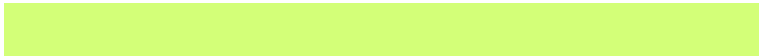
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7481, 80.8162, 35.9072



66.0610, 86.7502, 30.9843



51.0360, 74.2629, 35.3123



17.3621, 19.0287, 17.5554



26.1675, 39.6026, 6.2649



2.4072, 3.5360, 0.5556

Inverse Universe

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



42.4436, 33.2567, 90.5730



39.9871, 28.4727, 97.9960



56.5438, 40.5256, 91.2329



16.0869, 16.1874, 20.8192



10.7627, 4.5227, 46.8437



1.0491, 0.4507, 4.1219

Previews

White Background



This preview shows how the XYZ color 63.7461, 80.8126, 35.9055 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 63.7461, 80.8126, 35.9055 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

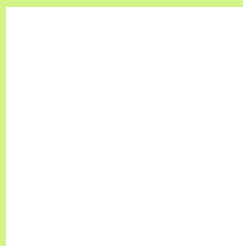
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7461, 80.8126, 35.9055

Background



This preview shows how black text looks on a background with the XYZ color 63.7461, 80.8126, 35.9055.



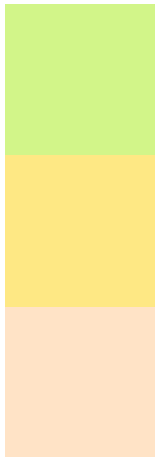
This preview shows how white text looks on a background with the XYZ color 63.7461, 80.8126,

35.9055.

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

63.7461, 80.8126, 35.9055

Protanopia

73.8945, 80.4500, 33.4635

Deuteranopia

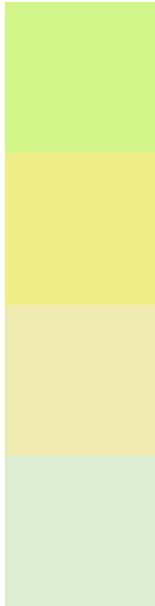
78.9021, 80.2754, 64.7622



Tritanopia

77.1633, 80.6229, 101.9373

Trichromacy



Original Color

63.7461, 80.8126, 35.9055

Protanomaly

69.8472, 80.4667, 34.4046

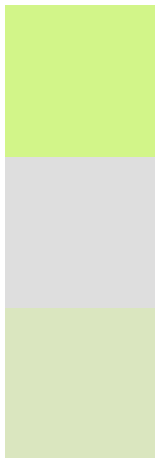
Deuteranomaly

72.8559, 80.3309, 52.7398

Tritanomaly

71.3080, 80.3875, 72.0796

Monochromacy



Original Color

63.7461, 80.8126, 35.9055

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

66.6142, 75.2606, 60.3060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7461, 80.8126, 35.9055 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(210, 245, 137)` looks like.

```
.text, #text, p{  
    color:rgb(210, 245, 137)  
}
```

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(210, 245, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 245, 137) }
```

Border

The CSS property to change the border of an element to XYZ 63.7461, 80.8126, 35.9055 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(210, 245, 137) }
```


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

```
.border{ border-color:rgb(210, 245, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 245, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 245, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 245, 137);  
box-shadow:4px 4px 4px 4px rgb(210, 245,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7461, 80.8126, 35.9055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 245, 137) }
```

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

```
.background{ background-color: rgb(210,  
245, 137) }
```

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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