

Converting Colors

XYZ(63.5226, 78.4451, 40.0458)

Have a look what the booklet for
XYZ(63.5226, 78.4451, 40.0458)
contains.

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Color

**XYZ(63.4489, 78.3390,
40.2106)**

Conversions

Conversions Part 1

Format	Color
Hex	D3F095
RGB	211, 240, 149
RGB Percent	83%, 94%, 58%
CMY	0.1725, 0.0588, 0.4157
CMYK	0.12, 0.00, 0.38, 0.06
HSL	79°, 75%, 76%
HSV	79°, 38%, 94%
XYZ	63.4489, 78.3390, 40.2106
YIQ	220.9550, 11.9270, -34.4490

Conversions

Conversions Part 2

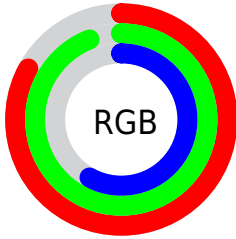
Format	Color
R_{YB}	149, 240, 178
Decimal	13889685
CIE _{Lab}	90.93, -23.94, 40.88
CIE _{LCh}	91, 47.373, 120.355
Yxy	78.3390, 0.3486, 0.4304
Android (android.graphics.Color)	4292079765 (0xFFD3F095)
YUV	220.9550, -35.4738, -8.7305
Hunter-Lab	88.5093, -26.9316, 35.0205

Details

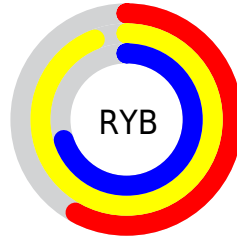
The XYZ color **63.4489, 78.3390, 40.2106** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.8388, 37.2533, 87.2698**, and the grayscale version is **68.9327, 72.5226, 78.9771**.

A 20% lighter version of the original color is **87.8991, 97.1396, 71.2438**, and **32.8157, 42.1126, 17.7082** is the 20% darker color. If you saturate the color by 10%, you get **59.5878, 76.5500, 31.0378**, and if you desaturate by 10%, it is **67.8131, 80.3466, 51.4711**.

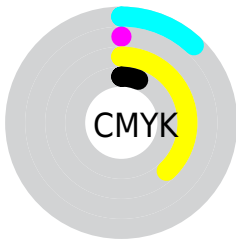
Distribution



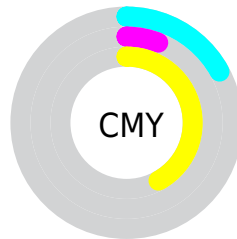
- Red (83%)
- Green (94%)
- Blue (58%)



- Red (58%)
- Yellow (94%)
- Blue (70%)



- Cyan (12%)
- Magenta (0%)
- Yellow (38%)
- Black (6%)





- Cyan (17%)
- Magenta (6%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.4489, 78.3390, 40.2106 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 63.4489, 78.3390, 40.2106 by changing the saturation by 10% instead.

 63.4489, 78.3390,
40.2106


 63.4489, 78.3390,
40.2106


426.8306,
489.3173, 362.5889

 46.4645, 58.3525,
27.3877


 108.8951,
131.0279, 76.7247

 32.8187, 42.0921,
17.6296


 138.0875,
164.4991, 101.2530

 22.1461, 29.1734,
10.5177


172.0800,
203.2339, 130.5202

 14.0815, 19.2120,
5.6335

211.2379,
247.6169, 164.9449

 8.2595, 11.8236,
2.5584

255.9265,
298.0323, 204.9456

 4.3146, 6.6237,
0.8708

306.5113,

 1.8816, 3.2279,

354.8646, 250.9408

0.0000

363.3576,
418.4981, 303.3490

0.5661, 1.2518,
0.0000

0.0000, 0.1034,
0.0000

63.4489, 78.3390,
40.2106

63.4489, 78.3390,
40.2106

59.5878, 76.5500,
31.0378

67.8131, 80.3466,
51.4711

56.1980, 74.9588,
23.8189

72.6983, 82.5722,
64.9320

53.2530, 73.5572,
18.4126

78.1286, 85.0281,
80.7039

50.7204, 72.3321,
14.6565

84.1244, 87.7228,
98.8885

■ 48.5623, 71.2682,
12.3590

■ 88.3674, 89.7290,
107.2697

■ 46.7275, 70.3448,
11.2587

■ 90.4518, 90.8035,
107.3673

■ 46.3704, 70.1639,
11.0990

Harmonies

Analogous

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



74.3168, 78.3390, 34.9949



63.4489, 78.3390, 40.2106



56.2348, 78.3390, 56.7338

Triad

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



63.4489, 78.3390, 40.2106



63.6705, 78.3390, 156.1538



99.8573, 78.3390, 84.8912

Complementary

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



63.4489, 78.3390, 40.2106



44.8388, 37.2533, 87.2698

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.



96.2476, 78.3390, 122.1286



63.4489, 78.3390, 40.2106



74.6012, 78.3390, 169.3887

Square

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



63.4489, 78.3390, 40.2106



56.3529, 78.3390, 123.0269



86.6741, 78.3390, 155.5451



96.0789, 78.3390, 56.1980

Rectangle

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



63.4489, 78.3390, 40.2106



54.0409, 78.3390, 74.7490



86.6741, 78.3390, 155.5451



99.4636, 78.3390, 96.7952

Sweetspot

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



63.4509, 78.3425, 40.2123



87.6452, 96.6669, 86.6761



57.2468, 52.4656, 35.5445



18.5760, 20.6077, 18.0159



0.0000, 0.0000, 0.0000



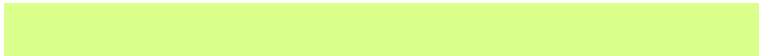
20.3446, 21.4041, 23.3091

Same Dimension

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



63.4509, 78.3425, 40.2123



69.1236, 88.1921, 37.3106



52.2470, 72.5667, 39.6879



16.6045, 18.1918, 16.7859



25.5268, 38.4811, 6.0822



2.2265, 3.2543, 0.5108

Inverse Universe

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



44.8388, 37.2533, 87.2698



44.7942, 34.4350, 98.8935



57.0076, 43.5265, 87.8393



15.3715, 15.4732, 19.8981



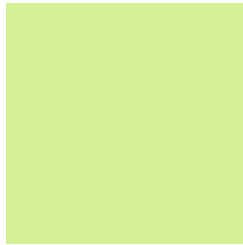
10.3851, 4.3591, 45.4219



0.9635, 0.4140, 3.7833

Previews

White Background



This preview shows how the XYZ color 63.4489, 78.3390, 40.2106 looks on a white background.

Color Contrast Check

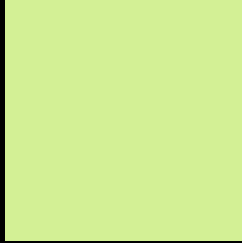
Large Text (above 18pt) WCAG AA × Fail

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 63.4489, 78.3390, 40.2106 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

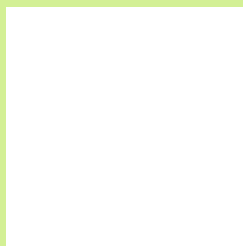
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.4489, 78.3390, 40.2106

Background



This preview shows how black text looks on a background with the XYZ color 63.4489, 78.3390, 40.2106.

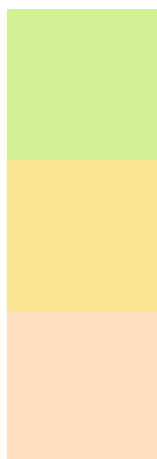


This preview shows how white text looks on a background with the XYZ color 63.4489, 78.3390,

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

63.4489, 78.3390, 40.2106

Protanopia

72.1971, 78.2227, 38.0814

Deuteranopia

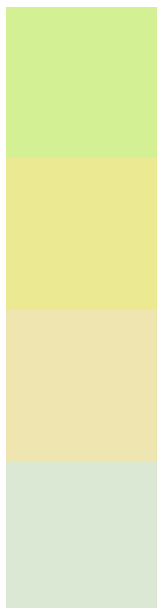
77.0316, 77.7969, 60.2465



Tritanopia

75.1184, 77.9879, 98.2828

Trichromacy



Original Color

63.4489, 78.3390, 40.2106

Protanomaly

68.5882, 78.0153, 38.6376

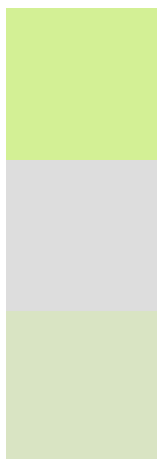
Deuteranomaly

71.4524, 77.5239, 52.2720

Tritanomaly

69.8279, 77.4764, 72.9021

Monochromacy



Original Color

63.4489, 78.3390, 40.2106

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.2090, 74.1786, 62.4581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.4489, 78.3390, 40.2106 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, 240, 149)` looks like.

```
.text, #text, p{  
    color:rgb(211, 240, 149)  
}
```

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, 240, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 240, 149) }
```

Border

The CSS property to change the border of an element to XYZ 63.4489, 78.3390, 40.2106 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, 240, 149) }
```


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

```
.border{ border-color:rgb(211, 240, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 240, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 240, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 240, 149);  
box-shadow:4px 4px 4px 4px rgb(211, 240,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 63.4489, 78.3390, 40.2106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 240, 149) }
```

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

```
.background{ background-color: rgb(211,  
240, 149) }
```

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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