

Converting Colors

XYZ(67.5271, 83.5522, 41.4226)

Have a look what the booklet for
XYZ(67.5271, 83.5522, 41.4226)
contains.

XYZ(67.3811, 83.4753, 41.4151)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.3811, 83.4753,
41.4151)**

Conversions

Conversions Part 1

Format	Color
Hex	D9F796
RGB	217, 247, 150
RGB Percent	85%, 97%, 59%
CMY	0.1490, 0.0313, 0.4118
CMYK	0.12, 0.00, 0.39, 0.03
HSL	79°, 86%, 78%
HSV	79°, 39%, 97%
XYZ	67.3811, 83.4753, 41.4151
YIQ	226.9720, 13.2570, -36.5270

Conversions

Conversions Part 2

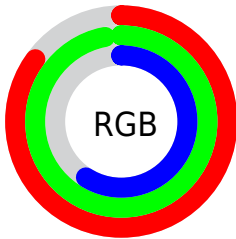
Format	Color
RYB	150, 247, 180
Decimal	14284694
CIELab	93.22, -24.95, 43.40
CIELCh	93, 50.067, 119.896
Yxy	83.4753, 0.3504, 0.4342
Android (android.graphics.Color)	4292474774 (0xFFD9F796)
YUV	226.9720, -37.9472, -8.7454
Hunter-Lab	91.3648, -28.2456, 37.0796

Details

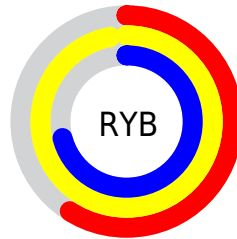
The XYZ color **67.3811, 83.4753, 41.4151** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.5205, 38.2336, 92.9284**, and the grayscale version is **73.2557, 77.0707, 83.9300**.

A 20% lighter version of the original color is **88.0194, 97.1878, 71.8776**, and **35.4864, 45.7017, 18.2602** is the 20% darker color. If you saturate the color by 10%, you get **63.3800, 81.6214, 31.9174**, and if you desaturate by 10%, it is **71.9108, 85.5585, 53.1292**.

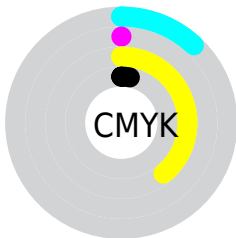
Distribution



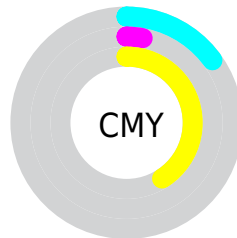
- Red (85%)
- Green (97%)
- Blue (59%)



- Red (59%)
- Yellow (97%)
- Blue (71%)



- Cyan (12%)
- Magenta (0%)
- Yellow (39%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.3811, 83.4753, 41.4151 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 67.3811, 83.4753, 41.4151 by changing the saturation by 10% instead.


 67.3811, 83.4753,
41.4151


 67.3811, 83.4753,
41.4151


440.7113,
506.5692, 367.7804

 49.6662, 62.5823,
28.3214


 114.5131,
138.2410, 78.5741

 35.3650, 45.5034,
18.3270


 144.6610,
172.8824, 103.4766

 24.1120, 31.8541,
11.0131


179.6838,
212.8755, 133.1524

 15.5419, 21.2501,
5.9614

219.9471,
258.6047, 168.0201

 9.2894, 13.3069,
2.7532

265.8161,
310.4542, 208.4982

 4.9890, 7.6402,
0.9700

317.6563,

 2.2755, 3.8656,

368.8085, 255.0052

0.0000

375.8329,
434.0521, 307.9598

■ 0.7821, 1.5987,
0.0000

■ 0.0000, 0.3567,
0.0000

■ 67.3811, 83.4753,
41.4151

■ 67.3811, 83.4753,
41.4151

■ 63.3800, 81.6214,
31.9174

■ 71.9108, 85.5585,
53.1292

■ 59.8733, 79.9744,
24.4907

■ 76.9885, 87.8704,
67.1820

■ 56.8320, 78.5253,
18.9810

■ 82.6400, 90.4242,
83.6933

■ 54.2209, 77.2600,
15.2101

■ 88.8875, 93.2291,
102.7733

■ 51.9983, 76.1616,
12.9669

■ 92.5526, 95.0051,
108.0675

■ 50.1013, 75.2047,
11.9270

■ 49.9703, 75.1383,
11.8694

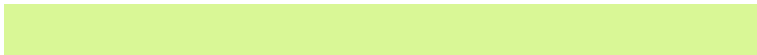
Harmonies

Analogous

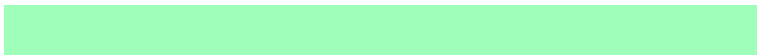
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3869, 83.4753, 35.9616



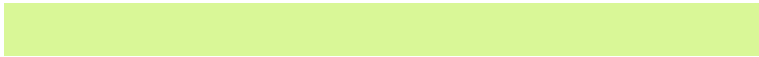
67.3811, 83.4753, 41.4151



59.3950, 83.4753, 59.1621

Triad

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



67.3811, 83.4753, 41.4151



67.3095, 83.4753, 169.1378



107.4413, 83.4753, 91.0225

Complementary

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



67.3811, 83.4753, 41.4151



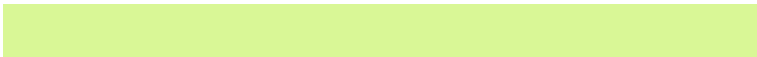
46.5205, 38.2336, 92.9284

Split Complementary

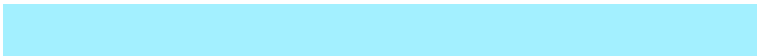
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3160, 83.4753, 132.3167



67.3811, 83.4753, 41.4151



79.2947, 83.4753, 184.3674

Square

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



67.3811, 83.4753, 41.4151



59.3570, 83.4753, 132.0231



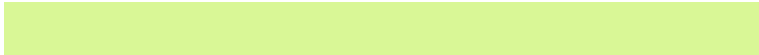
92.6379, 83.4753, 169.3377



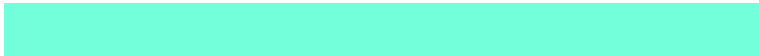
103.3710, 83.4753, 59.3341

Rectangle

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



67.3811, 83.4753, 41.4151



56.9383, 83.4753, 78.7558



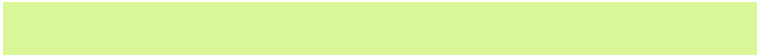
92.6379, 83.4753, 169.3377



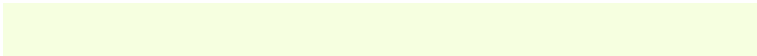
106.9615, 83.4753, 104.2115

Sweetspot

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



67.3832, 83.4790, 41.4169



87.1119, 96.4323, 84.8278



60.0060, 54.2591, 36.1657



18.4726, 20.5624, 17.6475



0.0000, 0.0000, 0.0000



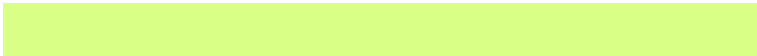
20.3446, 21.4041, 23.3091

Same Dimension

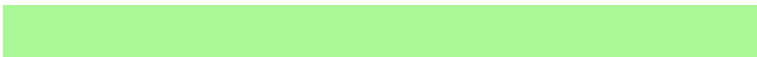
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.3832, 83.4790, 41.4169



69.0354, 88.1677, 36.3566



55.2167, 77.2069, 40.8475



17.3868, 19.0415, 17.5566



26.5784, 39.8145, 6.2841



2.4410, 3.5534, 0.5572

Inverse Universe

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



46.5205, 38.2336, 92.9284



43.7971, 33.3857, 98.7435



59.5660, 44.9588, 93.5389



16.0633, 16.1753, 20.8181



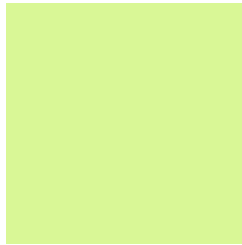
10.5995, 4.4386, 46.8361



1.0325, 0.4421, 4.1212

Previews

White Background



This preview shows how the XYZ color 67.3811, 83.4753, 41.4151 looks on a white background.

Color Contrast Check

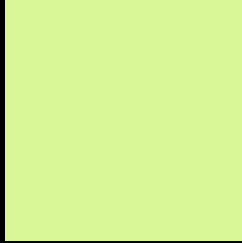
Large Text (above 18pt) WCAG AA × Fail

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 67.3811, 83.4753, 41.4151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

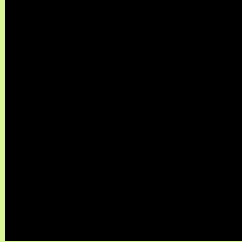
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

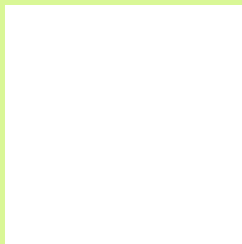
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.3811, 83.4753, 41.4151

Background



This preview shows how black text looks on a background with the XYZ color 67.3811, 83.4753, 41.4151.

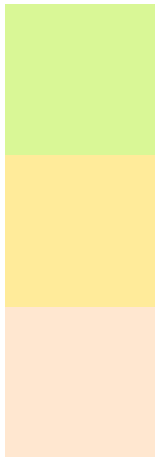


This preview shows how white text looks on a background with the XYZ color 67.3811, 83.4753,

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

67.3811, 83.4753, 41.4151

Protanopia

76.7811, 83.0098, 42.5475

Deuteranopia

81.2011, 82.9659, 71.4088



Tritanopia

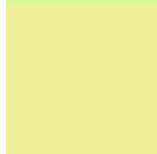
80.3930, 83.4974, 104.8080

Trichromacy



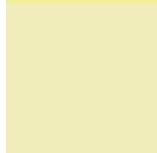
Original Color

67.3811, 83.4753, 41.4151



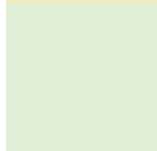
Protanomaly

72.8919, 82.7337, 42.2644



Deuteranomaly

75.5295, 82.8570, 59.0259



Tritanomaly

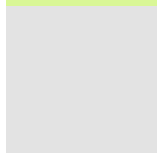
74.6252, 82.8596, 77.0261

Monochromacy



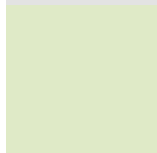
Original Color

67.3811, 83.4753, 41.4151



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

70.1630, 78.6571, 65.5172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.3811, 83.4753, 41.4151 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(217, 247, 150)` looks like.

```
.text, #text, p{  
    color:rgb(217, 247, 150)  
}
```

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(217, 247, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 247, 150) }
```

Border

The CSS property to change the border of an element to XYZ 67.3811, 83.4753, 41.4151 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(217, 247, 150) }
```


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

```
.border{ border-color:rgb(217, 247, 150) }
```

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

Here you see how a box with a 4 pixel rgb(217, 247, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 247, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 247, 150);  
box-shadow:4px 4px 4px 4px rgb(217, 247,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 67.3811, 83.4753, 41.4151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 247, 150) }
```

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

```
.background{ background-color: rgb(217,  
247, 150) }
```

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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