

Converting Colors

XYZ(65.8197, 81.1701, 39.8025)

Have a look what the booklet for
XYZ(65.8197, 81.1701, 39.8025)
contains.

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Color

**XYZ(65.9360, 81.4069,
39.8417)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | D8F493 |
| RGB | 216, 244, 147 |
| RGB Percent | 85%, 96%, 58% |
| CMY | 0.1529, 0.0431, 0.4235 |
| CMYK | 0.11, 0.00, 0.40, 0.04 |
| HSL | 77°, 82%, 77% |
| HSV | 77°, 40%, 96% |
| XYZ | 65.9360, 81.4069, 39.8417 |
| YIQ | 224.5700, 14.4490, -36.1030 |

Conversions

Conversions Part 2

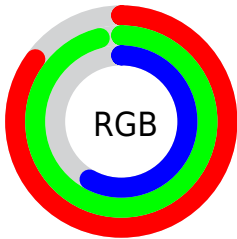
| Format | Color |
|-------------------------------------|---|
| RYB | 147, 244, 175 |
| Decimal | 14218387 |
| CIELab | 92.31, -24.24, 43.70 |
| CIElCh | 92, 49.970, 119.023 |
| Yxy | 81.4069, 0.3523, 0.4349 |
| Android (android.graphics.Color) | 4292408467 (0xFFD8F493) |
| YUV | 224.5700, -38.2420, -7.5159 |
| Hunter-Lab | 90.2258, -27.4493, 36.9769 |

Details

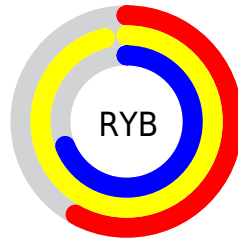
The XYZ color **65.9360, 81.4069, 39.8417** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.4454, 36.5153, 90.2983**, and the grayscale version is **71.5196, 75.2442, 81.9409**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **34.5460, 44.2662, 17.5499** is the 20% darker color. If you saturate the color by 10%, you get **62.1846, 79.6738, 30.7097**, and if you desaturate by 10%, it is **70.1869, 83.3557, 51.1200**.

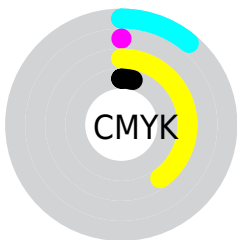
Distribution



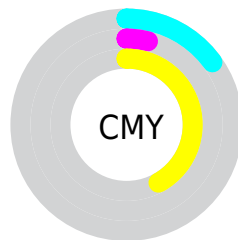
- Red (85%)
- Green (96%)
- Blue (58%)



- Red (58%)
- Yellow (96%)
- Blue (69%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (4%)




- Cyan (15%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9360, 81.4069, 39.8417 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 65.9360, 81.4069, 39.8417 by changing the saturation by 10% instead.


 65.9360, 81.4069,
39.8417


 65.9360, 81.4069,
39.8417


435.6402,
499.6616, 360.9881

 48.4880, 60.8768,
27.1023


 112.4527,
135.3420, 76.1568

 34.4263, 44.1257,
17.4169


 142.2521,
169.5157, 100.5697

 23.3857, 30.7694,
10.3671


176.8993,
209.0061, 129.7107

 15.0009, 20.4233,
5.5343

216.7597,
254.1975, 163.9985

 8.9063, 12.7031,
2.4999

262.1986,
305.4744, 203.8516

 4.7367, 7.2244,
0.8401

313.5815,

 2.1268, 3.6028,

363.2211, 249.6886

0.0000

371.2735,
427.8220, 301.9279

0.7037, 1.4540,
0.0000

0.0000, 0.2560,
0.0000

65.9360, 81.4069,
39.8417

65.9360, 81.4069,
39.8417

62.1846, 79.6738,
30.7097

70.1869, 83.3557,
51.1200

58.8995, 78.1346,
23.5824

74.9558, 85.5193,
64.6640

56.0528, 76.7809,
18.3094

80.2677, 87.9107,
80.5902

53.6103, 75.5987,
14.7167

86.1440, 90.5385,
99.0060

■ 51.5315, 74.5718,
12.5975

■ 90.2668, 92.4757,
107.6998

■ 49.7515, 73.6741,
11.6156

■ 91.6425, 93.1849,
107.7642

■ 49.7098, 73.6529,
11.5965

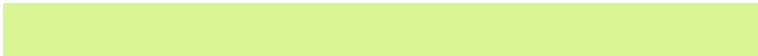
Harmonies

Analogous

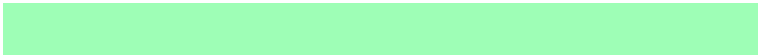
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7992, 81.4069, 34.8308



65.9360, 81.4069, 39.8417



57.9682, 81.4069, 56.8278

Triad

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



65.9360, 81.4069, 39.8417



65.2787, 81.4069, 164.7109



104.9697, 81.4069, 89.8570

Complementary

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



65.9360, 81.4069, 39.8417



44.4454, 36.5153, 90.2983

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.



100.6910, 81.4069, 130.5364



65.9360, 81.4069, 39.8417



76.9520, 81.4069, 180.5144

Square

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



65.9360, 81.4069, 39.8417



57.6195, 81.4069, 127.8354



90.0655, 81.4069, 166.5513



101.1968, 81.4069, 58.4044

Rectangle

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



65.9360, 81.4069, 39.8417



55.4573, 81.4069, 75.7681



90.0655, 81.4069, 166.5513



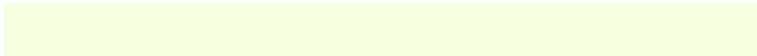
104.4180, 81.4069, 102.8891

Sweetspot

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



65.9380, 81.4105, 39.8434



87.3330, 96.5463, 84.8381



57.8073, 51.8015, 34.5568



18.5248, 20.5893, 17.6499



0.0000, 0.0000, 0.0000



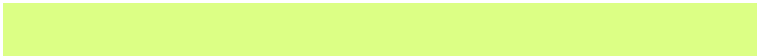
20.3446, 21.4041, 23.3091

Same Dimension

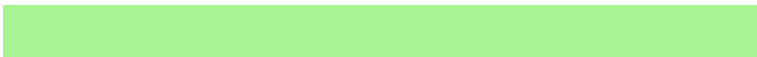
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9380, 81.4105, 39.8434



69.3789, 88.3653, 35.4452



53.7719, 75.1387, 39.2741



17.4213, 19.0593, 17.5582



27.1699, 40.1194, 6.3118



2.4893, 3.5784, 0.5595

Inverse Universe

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



44.4454, 36.5153, 90.2983



42.5182, 32.2038, 98.5827



57.1921, 43.0865, 90.8948



16.0306, 16.1584, 20.8165



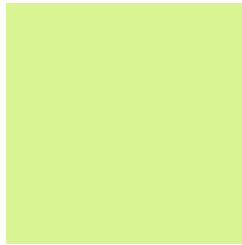
10.3865, 4.3288, 46.8261



1.0103, 0.4307, 4.1201

Previews

White Background



This preview shows how the XYZ color 65.9360, 81.4069, 39.8417 looks on a white background.

Color Contrast Check

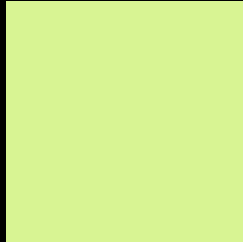
Large Text (above 18pt) WCAG AA × Fail

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 65.9360, 81.4069, 39.8417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

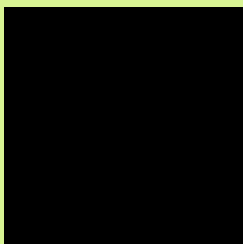
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

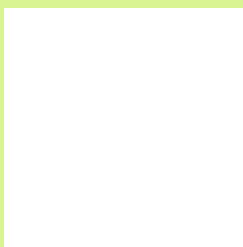
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9360, 81.4069, 39.8417

Background



This preview shows how black text looks on a background with the XYZ color 65.9360, 81.4069, 39.8417.

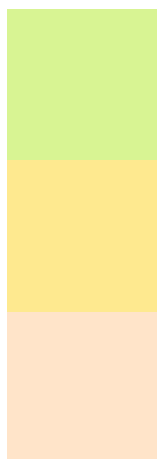


This preview shows how white text looks on a background with the XYZ color 65.9360, 81.4069,

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

65.9360, 81.4069, 39.8417

Protanopia

74.9699, 81.3318, 37.7339

Deuteranopia

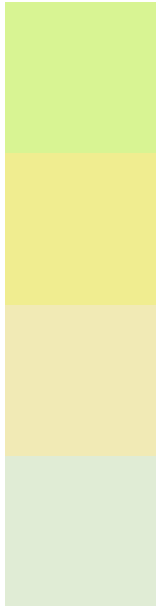
79.5260, 80.9639, 66.6945



Tritanopia

78.4250, 81.2734, 101.9964

Trichromacy



Original Color

65.9360, 81.4069, 39.8417

Protanomaly

71.2534, 81.1073, 38.2854

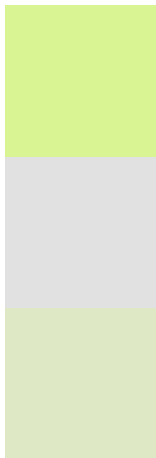
Deuteranomaly

74.0389, 80.8826, 55.4257

Tritanomaly

72.7462, 80.6423, 74.6822

Monochromacy



Original Color

65.9360, 81.4069, 39.8417

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.0589, 77.2740, 64.0989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9360, 81.4069, 39.8417 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(216, 244, 147)` looks like.

```
.text, #text, p{  
    color:rgb(216, 244, 147)  
}
```

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(216, 244, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 244, 147) }
```

Border

The CSS property to change the border of an element to XYZ 65.9360, 81.4069, 39.8417 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(216, 244, 147) }
```


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

```
.border{ border-color:rgb(216, 244, 147) }
```

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

Here you see how a box with a 4 pixel rgb(216, 244, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 244, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 244, 147);  
box-shadow:4px 4px 4px 4px rgb(216, 244,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9360, 81.4069, 39.8417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 244, 147) }
```

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

```
.background{ background-color: rgb(216,  
244, 147) }
```

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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