

Converting Colors

XYZ(65.2942, 79.8604, 46.0676)

Have a look what the booklet for
XYZ(65.2942, 79.8604, 46.0676)
contains.

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Color

**XYZ(65.4251, 80.1099,
46.1969)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F2A2
RGB	212, 242, 162
RGB Percent	83%, 95%, 64%
CMY	0.1686, 0.0510, 0.3647
CMYK	0.12, 0.00, 0.33, 0.05
HSL	83°, 75%, 79%
HSV	83°, 33%, 95%
XYZ	65.4251, 80.1099, 46.1969
YIQ	223.9100, 7.8000, -31.2400

Conversions

Conversions Part 2

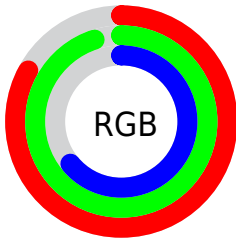
Format	Color
RYB	162, 242, 192
Decimal	13955746
CIELab	91.73, -22.90, 35.46
CIELCh	92, 42.213, 122.848
Yxy	80.1099, 0.3412, 0.4178
Android (android.graphics.Color)	4292145826 (0xFFD4F2A2)
YUV	223.9100, -30.5216, -10.4451
Hunter-Lab	89.5041, -26.1536, 32.0508

Details

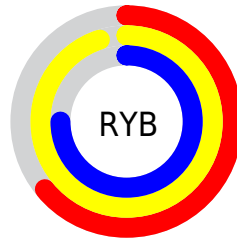
The XYZ color **65.4251, 80.1099, 46.1969** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.6887, 43.4601, 89.7258**, and the grayscale version is **70.9963, 74.6936, 81.3414**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **34.0295, 43.2899, 21.0302** is the 20% darker color. If you saturate the color by 10%, you get **60.9349, 78.0227, 35.8179**, and if you desaturate by 10%, it is **70.4805, 82.4456, 58.7665**.

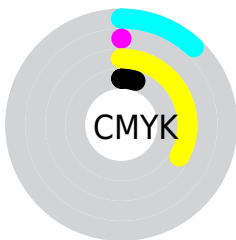
Distribution



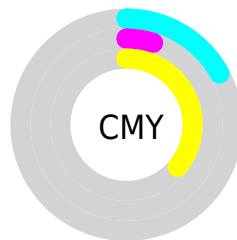
- Red (83%)
- Green (95%)
- Blue (64%)



- Red (64%)
- Yellow (95%)
- Blue (75%)



- Cyan (12%)
- Magenta (0%)
- Yellow (33%)
- Black (5%)



- Cyan (17%)
- Magenta (5%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.4251, 80.1099, 46.1969 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 65.4251, 80.1099, 46.1969 by changing the saturation by 10% instead.


 65.4251, 80.1099,
46.1969


 65.4251, 80.1099,
46.1969


433.8391,
495.3031, 387.9002

 48.0718, 59.8088,
32.0514


 111.7231,
133.5202, 85.8510

 34.0953, 43.2645,
21.1356


 141.3986,
167.3983, 112.1967

 23.1300, 30.0927,
13.0310


175.9121,
206.5707, 143.4462

 14.8108, 19.9090,
7.3189

215.6292,
251.4220, 180.0181

 8.7721, 12.3289,
3.5809

260.9150,
302.3364, 222.3309

 4.6488, 6.9681,
1.3984

312.1351,

 2.0753, 3.4421,

359.6985, 270.8032

0.1404

369.6547,
423.8926, 325.8535

0.6757, 1.3667,
0.0000

0.0000, 0.1920,
0.0000

65.4251, 80.1099,
46.1969

65.4251, 80.1099,
46.1969

60.9349, 78.0227,
35.8179

70.4805, 82.4456,
58.7665

56.9775, 76.1626,
27.4987

76.1193, 85.0292,
73.6371

53.5263, 74.5215,
21.1026

82.3662, 87.8736,
90.9179

50.5494, 73.0862,
16.4743

88.6238, 90.7400,
107.4513

■ 48.0099, 71.8417,
13.4342

■ 91.0438, 91.9876,
107.5646

■ 45.8641, 70.7702,
11.7648

■ 44.5612, 70.1100,
11.1840

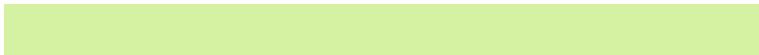
Harmonies

Analogous

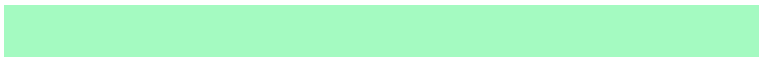
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.1149, 80.1099, 40.2919



65.4251, 80.1099, 46.1969



59.1196, 80.1099, 62.8045

Triad

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



65.4251, 80.1099, 46.1969



67.0536, 80.1099, 151.5636



98.8213, 80.1099, 84.3044

Complementary

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



65.4251, 80.1099, 46.1969



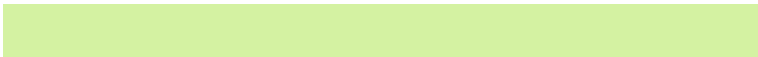
50.6887, 43.4601, 89.7258

Split Complementary

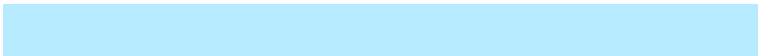
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.1535, 80.1099, 117.2769



65.4251, 80.1099, 46.1969



77.1785, 80.1099, 161.1236

Square

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



65.4251, 80.1099, 46.1969



59.9955, 80.1099, 123.6227



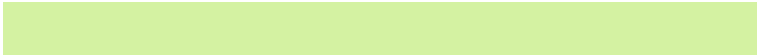
87.9697, 80.1099, 147.3328



94.9531, 80.1099, 58.7820

Rectangle

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



65.4251, 80.1099, 46.1969



57.3411, 80.1099, 80.0296



87.9697, 80.1099, 147.3328



98.6597, 80.1099, 94.8415

Sweetspot

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



65.4271, 80.1134, 46.1986



87.7814, 96.6962, 88.5330



61.8460, 58.8957, 42.2919



18.5822, 20.6027, 18.3850



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

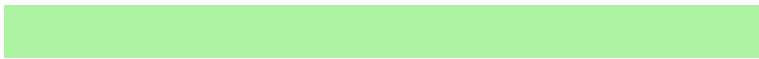
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.4271, 80.1134, 46.1986



70.0493, 88.5326, 43.5335



55.4362, 74.9629, 45.7311



16.5151, 18.1457, 16.7817



24.0938, 37.7423, 6.0151



2.1142, 3.1964, 0.5055

Inverse Universe

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



50.6887, 43.4601, 89.7258



50.9913, 41.1119, 99.8556



62.0130, 49.2980, 90.2558



15.4574, 15.5175, 19.9021



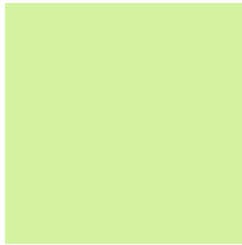
11.0541, 4.7040, 45.4532



1.0264, 0.4464, 3.7863

Previews

White Background



This preview shows how the XYZ color 65.4251, 80.1099, 46.1969 looks on a white background.

Color Contrast Check

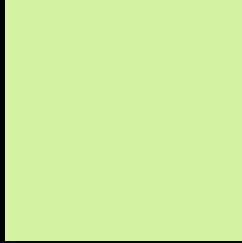
Large Text (above 18pt) WCAG AA × Fail

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 65.4251, 80.1099, 46.1969 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 65.4251, 80.1099, 46.1969

Background



This preview shows how black text looks on a background with the XYZ color 65.4251, 80.1099, 46.1969.

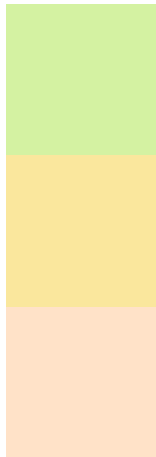


This preview shows how white text looks on a background with the XYZ color 65.4251, 80.1099,

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

65.4251, 80.1099, 46.1969

Protanopia

74.0861, 79.9101, 43.4177

Deuteranopia

78.8617, 79.8228, 65.8945



Tritanopia

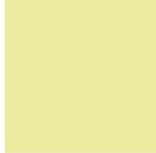
76.4153, 79.8387, 101.0054

Trichromacy



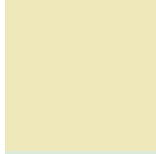
Original Color

65.4251, 80.1099, 46.1969



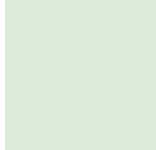
Protanomaly

70.5584, 79.7527, 44.4759



Deuteranomaly

73.3161, 79.6091, 57.9563



Tritanomaly

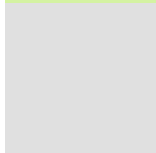
71.7479, 79.6421, 77.2366

Monochromacy



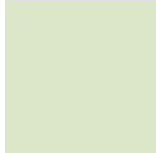
Original Color

65.4251, 80.1099, 46.1969



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.6337, 76.5845, 66.4232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.4251, 80.1099, 46.1969 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(212, 242, 162)` looks like.

```
.text, #text, p{  
    color:rgb(212, 242, 162)  
}
```

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(212, 242, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 242, 162) }
```

Border

The CSS property to change the border of an element to XYZ 65.4251, 80.1099, 46.1969 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(212, 242, 162) }
```


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

```
.border{ border-color:rgb(212, 242, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 242, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 242, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 242, 162);  
box-shadow:4px 4px 4px 4px rgb(212, 242,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 65.4251, 80.1099, 46.1969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 242, 162) }
```

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

```
.background{ background-color: rgb(212,  
242, 162) }
```

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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