

Converting Colors

XYZ(65.8628, 80.4110, 43.0403)

Have a look what the booklet for
XYZ(65.8628, 80.4110, 43.0403)
contains.

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Color

**XYZ(65.9874, 80.4697,
43.0647)**

Conversions

Conversions Part 1

Format	Color
Hex	D8F29B
RGB	216, 242, 155
RGB Percent	85%, 95%, 61%
CMY	0.1529, 0.0510, 0.3921
CMYK	0.11, 0.00, 0.36, 0.05
HSL	78°, 77%, 78%
HSV	78°, 36%, 95%
XYZ	65.9874, 80.4697, 43.0647
YIQ	224.3080, 12.4310, -32.5690

Conversions

Conversions Part 2

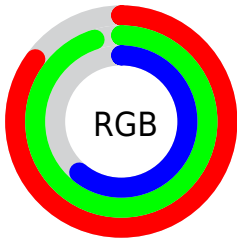
Format	Color
RYB	155, 242, 181
Decimal	14217883
CIELab	91.90, -22.33, 39.22
CIElCh	92, 45.130, 119.657
Yxy	80.4697, 0.3482, 0.4246
Android (android.graphics.Color)	4292407963 (0xFFD8F29B)
YUV	224.3080, -34.1688, -7.2861
Hunter-Lab	89.7049, -25.6780, 34.3300

Details

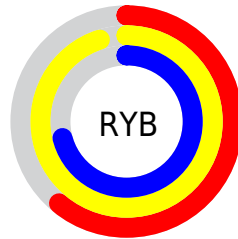
The XYZ color **65.9874, 80.4697, 43.0647** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **46.8076, 39.6795, 89.2008**, and the grayscale version is **71.3042, 75.0176, 81.6942**.

A 20% lighter version of the original color is **88.6329, 97.4331, 75.1078**, and **34.5043, 43.5707, 19.4234** is the 20% darker color. If you saturate the color by 10%, you get **62.0657, 78.6623, 33.3146**, and if you desaturate by 10%, it is **70.4146, 82.4957, 54.9677**.

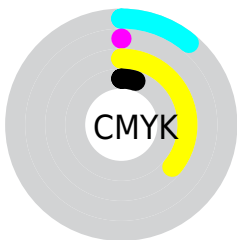
Distribution



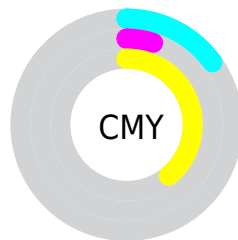
- Red (85%)
- Green (95%)
- Blue (61%)



- Red (61%)
- Yellow (95%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (36%)
- Black (5%)




- Cyan (15%)
- Magenta (5%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.9874, 80.4697, 43.0647 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 65.9874, 80.4697, 43.0647 by changing the saturation by 10% instead.


 65.9874, 80.4697,
43.0647


 65.9874, 80.4697,
43.0647


435.8212,
496.5143, 374.8068

 48.5298, 60.1049,
29.6041


 112.5261,
134.0259, 81.0959

 34.4597, 43.5032,
19.2888


 142.3379,
167.9861, 106.5036

 23.4115, 30.2802,
11.7002


176.9985,
207.2470, 136.7307

 15.0200, 20.0513,
6.4198

216.8733,
252.1929, 172.1958

 8.9198, 12.4324,
3.0291

262.3276,
303.2081, 213.3174

 4.7456, 7.0389,
1.1095

313.7268,

 2.1320, 3.4864,

360.6772, 260.5141

0.0000

371.4362,
424.9845, 314.2044

■ 0.7065, 1.3906,
0.0000

■ 0.0000, 0.2098,
0.0000

■ 65.9874, 80.4697,
43.0647

■ 65.9874, 80.4697,
43.0647

■ 62.0657, 78.6623,
33.3146

■ 70.4146, 82.4957,
54.9677

■ 58.6177, 77.0523,
25.5834

■ 75.3649, 84.7392,
69.1367

■ 55.6172, 75.6320,
19.7300

■ 80.8622, 87.2126,
85.6830

■ 53.0323, 74.3883,
15.5931

■ 86.9270, 89.9243,
104.7091

■ 50.8259, 73.3063,
12.9841

■ 90.0097, 91.4546,
107.5162

■ 48.9524, 72.3677,
11.6697

■ 91.0438, 91.9877,
107.5646

■ 48.2600, 72.0169,
11.3571

Harmonies

Analogous

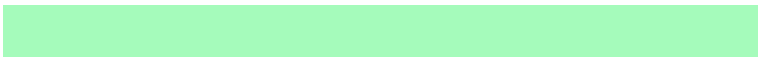
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6176, 80.4697, 38.0696



65.9874, 80.4697, 43.0647



58.8326, 80.4697, 59.1903

Triad

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



65.9874, 80.4697, 43.0647



65.7781, 80.4697, 154.9762



100.9800, 80.4697, 88.0006

Complementary

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



65.9874, 80.4697, 43.0647



46.8076, 39.6795, 89.2008

Split Complementary

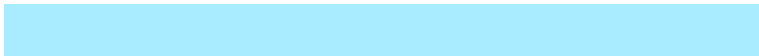
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3539, 80.4697, 123.9415



65.9874, 80.4697, 43.0647



76.3507, 80.4697, 168.1048

Square

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



65.9874, 80.4697, 43.0647



58.7207, 80.4697, 123.1092



88.0387, 80.4697, 155.5359



97.5108, 80.4697, 59.7014

Rectangle

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



65.9874, 80.4697, 43.0647



56.6045, 80.4697, 76.6599



88.0387, 80.4697, 155.5359



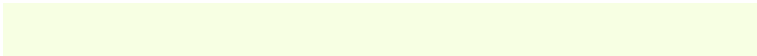
100.5456, 80.4697, 99.5731

Sweetspot

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



65.9894, 80.4733, 43.0664



87.8406, 96.7677, 86.6852



58.7879, 53.7477, 38.2874



18.6228, 20.6318, 18.0181



0.0000, 0.0000, 0.0000



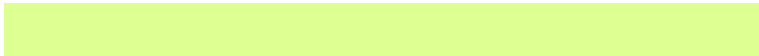
20.3446, 21.4041, 23.3091

Same Dimension

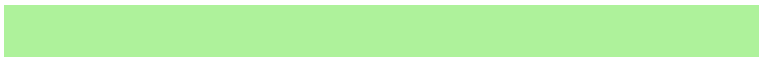
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.9894, 80.4733, 43.0664



71.0911, 89.1403, 40.3887



55.0934, 74.8561, 42.5565



16.6361, 18.2081, 16.7874



26.0685, 38.7604, 6.1075



2.2683, 3.2759, 0.5128

Inverse Universe

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



46.8076, 39.6795, 89.2008



46.6177, 37.0577, 99.3036



58.2289, 45.5674, 89.7353



15.3414, 15.4577, 19.8967



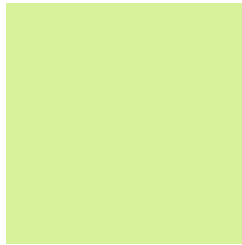
10.1788, 4.2527, 45.4123



0.9433, 0.4036, 3.7824

Previews

White Background



This preview shows how the XYZ color 65.9874, 80.4697, 43.0647 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 65.9874, 80.4697, 43.0647 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

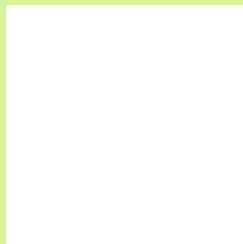
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.9874, 80.4697, 43.0647

Background



This preview shows how black text looks on a background with the XYZ color 65.9874, 80.4697, 43.0647.

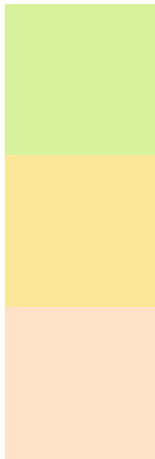


This preview shows how white text looks on a background with the XYZ color 65.9874, 80.4697, 43.0647.

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

65.9874, 80.4697, 43.0647

Protanopia

73.9455, 79.8954, 40.8022

Deuteranopia

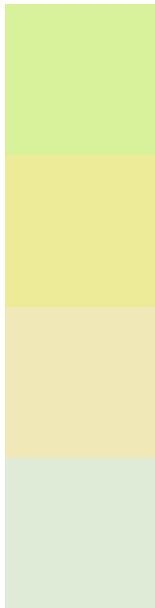
78.7452, 79.7762, 65.2809



Tritanopia

77.6697, 80.4854, 101.0641

Trichromacy



Original Color

65.9874, 80.4697, 43.0647

Protanomaly

70.6357, 79.8608, 41.3975

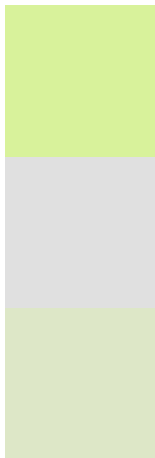
Deuteranomaly

73.6795, 79.8329, 56.3257

Tritanomaly

72.7145, 80.1703, 75.9319

Monochromacy



Original Color

65.9874, 80.4697, 43.0647

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

68.7035, 76.6475, 65.2062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.9874, 80.4697, 43.0647 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, 242, 155)` looks like.

```
.text, #text, p{  
    color:rgb(216, 242, 155)  
}
```

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, 242, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 242, 155) }
```

Border

The CSS property to change the border of an element to XYZ 65.9874, 80.4697, 43.0647 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, 242, 155) }
```


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

```
.border{ border-color:rgb(216, 242, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 242, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 242, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 242, 155);  
box-shadow:4px 4px 4px 4px rgb(216, 242,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 65.9874, 80.4697, 43.0647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 242, 155) }
```

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

```
.background{ background-color: rgb(216,  
242, 155) }
```

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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