

Converting Colors

XYZ(66.5958, 80.8946, 42.2219)

Have a look what the booklet for
XYZ(66.5958, 80.8946, 42.2219)
contains.

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Color

**XYZ(66.4153, 80.7096,
42.2150)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF299
RGB	218, 242, 153
RGB Percent	85%, 95%, 60%
CMY	0.1451, 0.0510, 0.4000
CMYK	0.10, 0.00, 0.37, 0.05
HSL	76°, 77%, 77%
HSV	76°, 37%, 95%
XYZ	66.4153, 80.7096, 42.2150
YIQ	224.6780, 14.2650, -32.7670

Conversions

Conversions Part 2

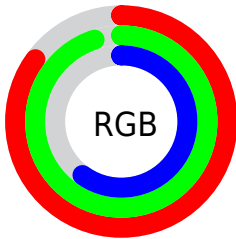
Format	Color
RYB	153, 242, 177
Decimal	14348953
CIELab	92.00, -21.84, 40.37
CIELCh	92, 45.902, 118.407
Yxy	80.7096, 0.3508, 0.4263
Android (android.graphics.Color)	4292539033 (0xFFDAF299)
YUV	224.6780, -35.3373, -5.8566
Hunter-Lab	89.8385, -25.2570, 35.0267

Details

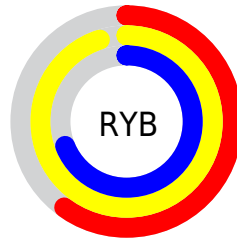
The XYZ color **66.4153, 80.7096, 42.2150** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.5529, 38.5425, 89.0476**, and the grayscale version is **71.5770, 75.3046, 82.0067**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **34.8082, 43.7388, 18.9198** is the 20% darker color. If you saturate the color by 10%, you get **62.7028, 79.0063, 32.6449**, and if you desaturate by 10%, it is **70.6141, 82.6219, 53.9270**.

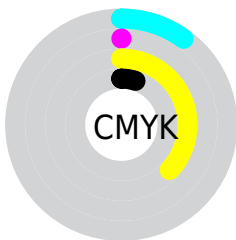
Distribution



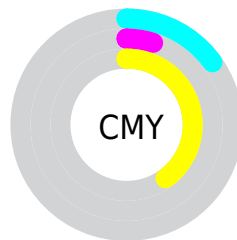
- Red (85%)
- Green (95%)
- Blue (60%)



- Red (60%)
- Yellow (95%)
- Blue (69%)



- Cyan (10%)
- Magenta (0%)
- Yellow (37%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.4153, 80.7096, 42.2150 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 66.4153, 80.7096, 42.2150 by changing the saturation by 10% instead.


 66.4153, 80.7096,
42.2150


 66.4153, 80.7096,
42.2150


437.3259,
497.3210, 371.1993

 48.8786, 60.3025,
28.9429


 113.1366,
134.3629, 79.7985

 34.7373, 43.6625,
18.7924


 143.0519,
168.3779, 104.9470

 23.6261, 30.4052,
11.3451


177.8241,
207.6976, 134.8913

 15.1798, 20.1464,
6.1824

217.8185,
252.7065, 170.0499

 9.0328, 12.5015,
2.8857

263.4006,
303.7888, 210.8415

 4.8199, 7.0862,
1.0366

314.9356,

 2.1756, 3.5161,

361.3291, 257.6846

0.0000

372.7889,
425.7117, 310.9977

0.7298, 1.4067,
0.0000

0.0000, 0.2217,
0.0000

66.4153, 80.7096,
42.2150

66.4153, 80.7096,
42.2150

62.7028, 79.0063,
32.6449

70.6141, 82.6219,
53.9270

59.4450, 77.4909,
25.0816

75.3167, 84.7419,
67.8949

56.6158, 76.1555,
19.3828

80.5468, 87.0819,
84.2304

54.1832, 74.9875,
15.3854

86.3248, 89.6503,
103.0366

■ 52.1099, 73.9716,
12.8979

■ 89.4568, 91.1696,
107.4904

■ 50.3491, 73.0890,
11.6779

■ 91.0439, 91.9878,
107.5646

■ 49.8245, 72.8235,
11.4303

Harmonies

Analogous

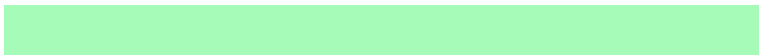
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.3446, 80.7096, 37.6092



66.4153, 80.7096, 42.2150



58.9613, 80.7096, 58.0407

Triad

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



66.4153, 80.7096, 42.2150



65.4278, 80.7096, 155.6714



101.7042, 80.7096, 89.6980

Complementary

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



66.4153, 80.7096, 42.2150



45.5529, 38.5425, 89.0476

Split Complementary

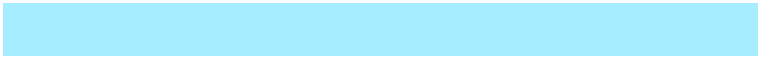
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.7095, 80.7096, 126.5106



66.4153, 80.7096, 42.2150



76.0830, 80.7096, 170.1634

Square

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



66.4153, 80.7096, 42.2150



58.4336, 80.7096, 122.5631



88.0216, 80.7096, 158.3312



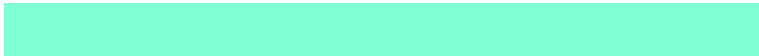
98.4526, 80.7096, 60.4462

Rectangle

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



66.4153, 80.7096, 42.2150



56.5612, 80.7096, 75.4556



88.0216, 80.7096, 158.3312



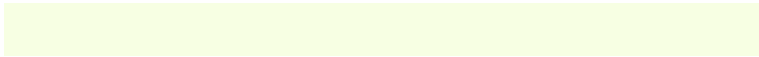
101.1571, 80.7096, 101.5963

Sweetspot

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



66.4173, 80.7132, 42.2167



88.1294, 96.9165, 86.6987



58.0401, 52.5187, 37.2161



18.6918, 20.6674, 18.0213



0.0000, 0.0000, 0.0000



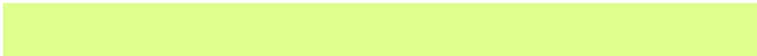
20.3446, 21.4041, 23.3091

Same Dimension

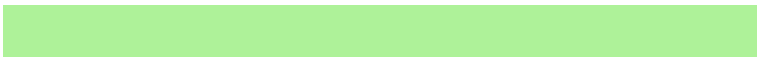
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.4173, 80.7132, 42.2167



71.6724, 89.4625, 39.3977



54.9082, 74.7800, 41.6781



16.6829, 18.2322, 16.7896



26.9017, 39.1899, 6.1465



2.3322, 3.3088, 0.5157

Inverse Universe

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



45.5529, 38.5425, 89.0476



45.0898, 35.6963, 99.1213



57.3110, 44.6041, 89.5979



15.2972, 15.4349, 19.8946



9.9017, 4.1099, 45.3993



0.9154, 0.3892, 3.7811

Previews

White Background



This preview shows how the XYZ color 66.4153, 80.7096, 42.2150 looks on a white background.

Color Contrast Check

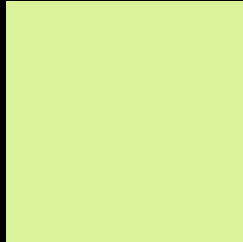
Large Text (above 18pt) WCAG AA × Fail

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 66.4153, 80.7096, 42.2150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

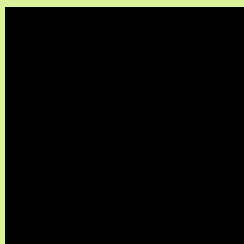
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

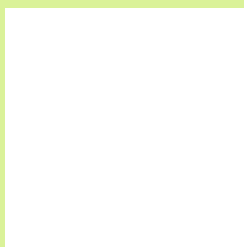
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.4153, 80.7096, 42.2150

Background



This preview shows how black text looks on a background with the XYZ color 66.4153, 80.7096, 42.2150.

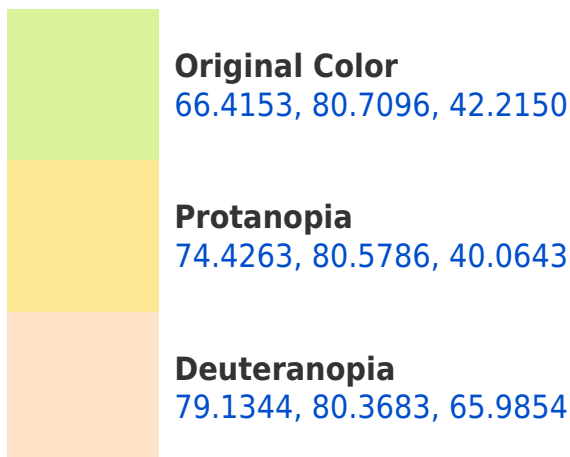


This preview shows how white text looks on a background with the XYZ color 66.4153, 80.7096,

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





Tritanopia

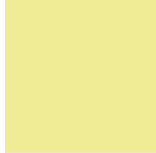
78.3507, 80.4221, 101.0160

Trichromacy



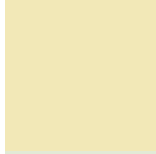
Original Color

66.4153, 80.7096, 42.2150



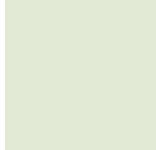
Protanomaly

71.4357, 80.7182, 40.6693



Deuteranomaly

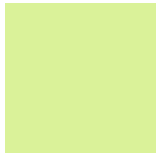
74.0218, 80.0094, 56.3417



Tritanomaly

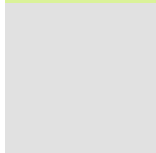
72.9244, 79.8694, 75.1911

Monochromacy



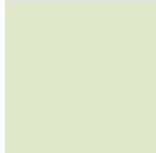
Original Color

66.4153, 80.7096, 42.2150



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.0089, 76.8049, 65.2205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.4153, 80.7096, 42.2150 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(218, 242, 153)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 153)  
}
```

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(218, 242, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 153) }
```

Border

The CSS property to change the border of an element to XYZ 66.4153, 80.7096, 42.2150 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(218, 242, 153) }
```


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

```
.border{ border-color:rgb(218, 242, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 242, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 153);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 66.4153, 80.7096, 42.2150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 153) }
```

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

```
.background{ background-color: rgb(218,  
242, 153) }
```

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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