

Converting Colors

XYZ(82.0063, 107.6655,
52.8746)

Have a look what the booklet for
XYZ(82.0063, 107.6655, 52.8746)
contains.

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Color

**XYZ(73.1665, 89.9980,
50.0743)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | DFFFA7 |
| RGB | 223, 255, 167 |
| RGB Percent | 87%, 100%, 65% |
| CMY | 0.1255, 0.0000, 0.3451 |
| CMYK | 0.13, 0.00, 0.35, 0.00 |
| HSL | 82°, 100%, 83% |
| HSV | 82°, 35%, 100% |
| XYZ | 73.1665, 89.9980, 50.0743 |
| YIQ | 235.4000, 9.1760, -34.1520 |

Conversions

Conversions Part 2

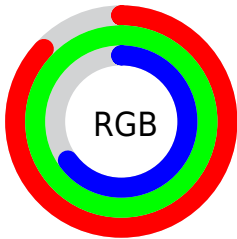
| Format | Color |
|-------------------------------------|--|
| RYB | 167, 255, 199 |
| Decimal | 14679975 |
| CIELab | 96.00, -24.50, 38.72 |
| CIELCh | 96, 45.820, 122.323 |
| Yxy | 89.9980, 0.3431, 0.4221 |
| Android (android.graphics.Color) | 4292870055 (0xFFDFFFA7) |
| YUV | 235.4000, -33.7212, -10.8748 |
| Hunter-Lab | 94.8673, -28.3494, 35.1117 |

Details

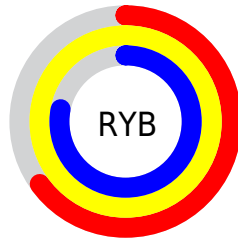
The XYZ color **73.1665, 89.9980, 50.0743** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **55.4230, 47.0008, 100.7587**, and the grayscale version is **79.5141, 83.6550, 91.1003**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **39.1677, 49.8186, 23.4712** is the 20% darker color. If you saturate the color by 10%, you get **68.2573, 87.7133, 38.7287**, and if you desaturate by 10%, it is **78.6978, 92.5497, 63.8778**.

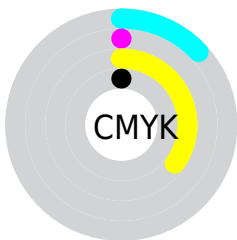
Distribution



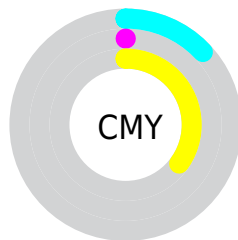
- Red (87%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (78%)



- Cyan (13%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1665, 89.9980, 50.0743 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 73.1665, 89.9980, 50.0743 by changing the saturation by 10% instead.


 73.1665, 89.9980,
50.0743


 73.1665, 89.9980,
50.0743


460.6865,
528.0243, 403.6998

 54.4010, 67.9790,
35.1008


 122.7154,
147.3356, 91.6824

 39.1543, 49.8806,
23.4564


 154.2295,
183.4230, 119.1541

 27.0610, 35.3186,
14.7224


190.7238,
224.9686, 151.6290

 17.7559, 23.9084,
8.4803

232.5638,
272.3569, 189.5256

 10.8735, 15.2657,
4.3117

280.1147,
325.9722, 233.2624

 6.0485, 9.0060,
1.7978

333.7418,

 2.9155, 4.7451,

386.1990, 283.2580

0.4265

393.8107,
453.4216, 339.9310

■ 1.1093, 2.0985,
0.0000

■ 0.0328, 0.6638,
0.0000

■ 73.1665, 89.9980,
50.0743

■ 73.1665, 89.9980,
50.0743

■ 68.2573, 87.7133,
38.7287

■ 78.6978, 92.5497,
63.8778

■ 63.9392, 85.6827,
29.6923

■ 84.8776, 95.3791,
80.2680

■ 60.1796, 83.8931,
22.8066

■ 91.7322, 98.4971,
99.3696

■ 56.9418, 82.3294,
17.8914

95.0500, 100.0000,
108.9000

■ 54.1833, 80.9743,
14.7373

■ 51.8525, 79.8068,
13.0869

■ 50.7155, 79.2298,
12.6199

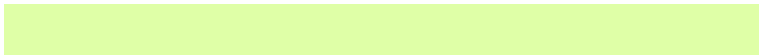
Harmonies

Analogous

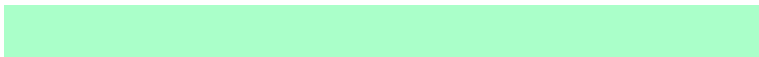
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.5569, 89.9980, 43.5117



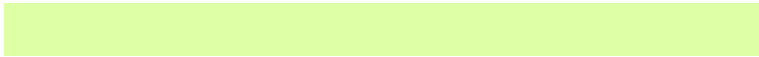
73.1665, 89.9980, 50.0743



65.7323, 89.9980, 69.0310

Triad

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



73.1665, 89.9980, 50.0743



74.7182, 89.9980, 173.6594



112.2588, 89.9980, 95.1922

Complementary

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



73.1665, 89.9980, 50.0743



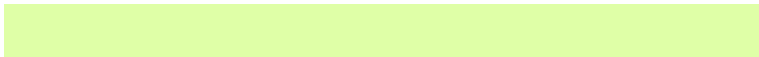
55.4230, 47.0008, 100.7587

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.



108.9747, 89.9980, 134.0965



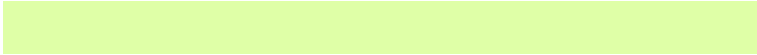
73.1665, 89.9980, 50.0743



86.5315, 89.9980, 185.5244

Square

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



73.1665, 89.9980, 50.0743



66.5641, 89.9980, 140.2238



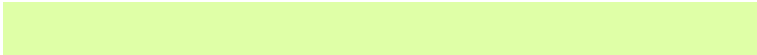
99.2362, 89.9980, 169.5515



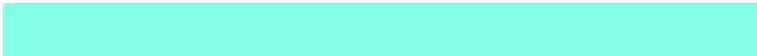
107.8186, 89.9980, 65.2259

Rectangle

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



73.1665, 89.9980, 50.0743



63.6008, 89.9980, 88.9660



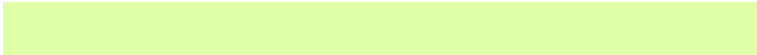
99.2362, 89.9980, 169.5515



112.0213, 89.9980, 107.6099

Sweetspot

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



73.1669, 89.9982, 50.0756



87.8832, 96.7486, 88.5377



68.3641, 64.3477, 45.3777



18.6069, 20.6155, 18.3862



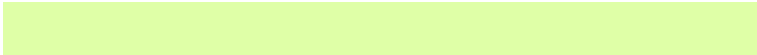
0.0000, 0.0000, 0.0000



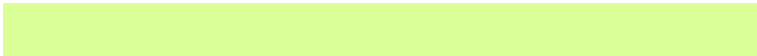
20.3446, 21.4041, 23.3091

Same Dimension

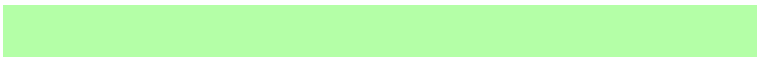
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1669, 89.9982, 50.0756



69.9110, 88.4854, 42.4392



61.6048, 84.0377, 49.5345



18.8831, 20.7412, 19.1525



26.6695, 41.4867, 6.6021



2.7166, 4.1012, 0.6484

Inverse Universe

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



55.4230, 47.0008, 100.7587



49.8830, 39.9276, 99.6854



68.4187, 53.7004, 101.3669



17.6266, 17.6992, 22.7372



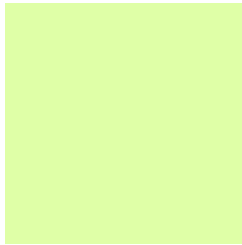
11.9247, 5.0579, 49.7824



1.2759, 0.5516, 4.8525

Previews

White Background



This preview shows how the XYZ color 73.1665, 89.9980, 50.0743 looks on a white background.

Color Contrast Check

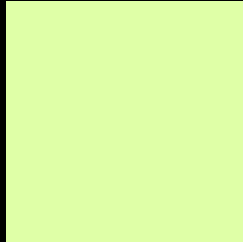
Large Text (above 18pt) WCAG AA × Fail

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 73.1665, 89.9980, 50.0743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

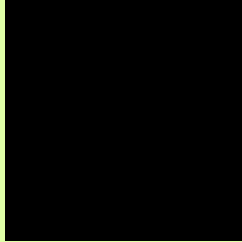
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

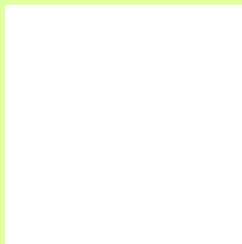
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1665, 89.9980, 50.0743

Background



This preview shows how black text looks on a background with the XYZ color 73.1665, 89.9980, 50.0743.

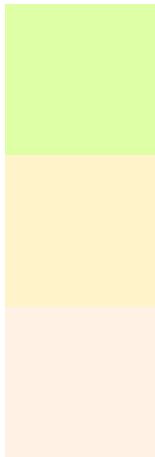


This preview shows how white text looks on a background with the XYZ color 73.1665, 89.9980,

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

73.1665, 89.9980, 50.0743

Protanopia

83.9513, 89.6255, 68.7519

Deuteranopia

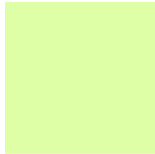
86.6989, 89.7720, 86.1570



Tritanopia

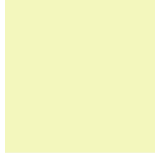
85.6972, 89.6719, 107.3994

Trichromacy



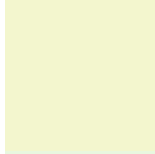
Original Color

73.1665, 89.9980, 50.0743



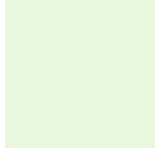
Protanomaly

79.4082, 89.2503, 61.1859



Deuteranomaly

81.0585, 89.4225, 71.3805



Tritanomaly

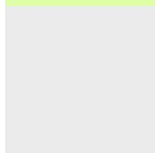
80.1843, 89.1729, 82.7980

Monochromacy



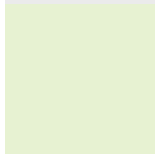
Original Color

73.1665, 89.9980, 50.0743



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3400, 85.1463, 73.3841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1665, 89.9980, 50.0743 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(223, 255, 167)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 167)  
}
```

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(223, 255, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 167) }
```

Border

The CSS property to change the border of an element to XYZ 73.1665, 89.9980, 50.0743 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(223, 255, 167) }
```


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

```
.border{ border-color:rgb(223, 255, 167) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 167);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1665, 89.9980, 50.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 167) }
```

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

```
.background{ background-color: rgb(223,  
255, 167) }
```

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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