

Converting Colors

XYZ(103.5705, 150.3020,
75.0533)

Have a look what the booklet for
XYZ(103.5705, 150.3020, 75.0533)
contains.

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Color

**XYZ(73.3419, 89.7563,
65.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FFC3
RGB	214, 255, 195
RGB Percent	84%, 100%, 76%
CMY	0.1608, 0.0000, 0.2353
CMYK	0.16, 0.00, 0.24, 0.00
HSL	101°, 100%, 88%
HSV	101°, 24%, 100%
XYZ	73.3419, 89.7563, 65.0889
YIQ	235.9010, -5.1760, -27.3520

Conversions

Conversions Part 2

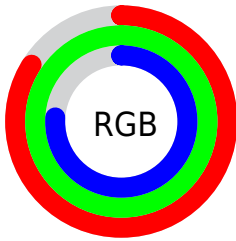
Format	Color
RYB	195, 255, 236
Decimal	14090179
CIELab	95.90, -23.70, 24.44
CIELCh	96, 34.048, 134.115
Yxy	89.7563, 0.3214, 0.3933
Android (android.graphics.Color)	4292280259 (0xFFD6FFC3)
YUV	235.9010, -20.1642, -19.2072
Hunter-Lab	94.7398, -27.6106, 25.5840

Details

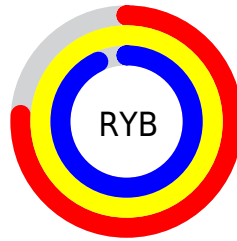
The XYZ color **73.3419, 89.7563, 65.0889** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.1581, 64.0843, 103.1741**, and the grayscale version is **79.8048, 83.9609, 91.4334**.

A 20% lighter version of the original color is **94.5707, 99.8083, 106.3760**, and **39.2999, 49.6822, 32.7176** is the 20% darker color. If you saturate the color by 10%, you get **65.8837, 86.2166, 50.9528**, and if you desaturate by 10%, it is **81.8377, 93.7739, 81.8463**.

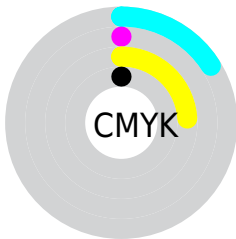
Distribution



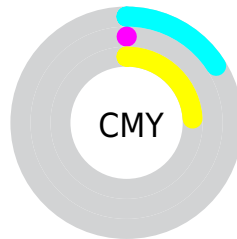
- Red (84%)
- Green (100%)
- Blue (76%)



- Red (76%)
- Yellow (100%)
- Blue (93%)



- Cyan (16%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.3419, 89.7563, 65.0889 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 73.3419, 89.7563, 65.0889 by changing the saturation by 10% instead.


 73.3419, 89.7563,
65.0889

 73.3419, 89.7563,
65.0889


461.2844,
527.2378, 461.4263

 54.5449, 67.7785,
47.0814


122.9630,
146.9998, 113.7922

 39.2699, 49.7176,
32.7452


154.5178,
183.0344, 145.3250

 27.1514, 35.1891,
21.6618


191.0560,
224.5234, 182.2033

 17.8242, 23.8085,
13.4127

232.9429,
271.8511, 224.8456

 10.9227, 15.1917,
7.5793

280.5438,
325.4020, 273.6706

 6.0818, 8.9540,
3.7430

334.2241,

 2.9360, 4.7112,

385.5605, 329.0966

1.4855

394.3492,
452.7110, 391.5424

■ 1.1200, 2.0788,
0.2071

■ 0.0418, 0.6527,
0.0000

■ 73.3419, 89.7563,
65.0889

■ 73.3419, 89.7563,
65.0889

■ 65.8837, 86.2166,
50.9528

■ 81.8377, 93.7739,
81.8463

■ 59.4195, 83.1354,
39.3014

■ 91.4089, 98.2864,
101.3440

■ 53.9045, 80.4926,
29.9920

95.0500, 100.0000,
108.9000

■ 49.2900, 78.2667,
22.8656

■ 45.5221, 76.4337,
17.7435

■ 42.5401, 74.9670,
14.4187

■ 40.2734, 73.8355,
12.6392

■ 39.1318, 73.2582,
12.0778

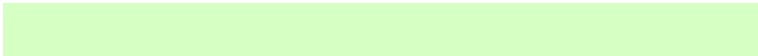
Harmonies

Analogous

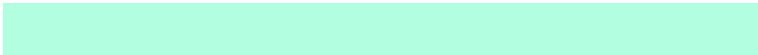
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.9800, 89.7563, 55.6472



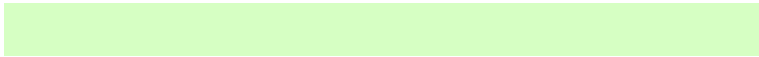
73.3419, 89.7563, 65.0889



69.0865, 89.7563, 84.2401

Triad

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



73.3419, 89.7563, 65.0889



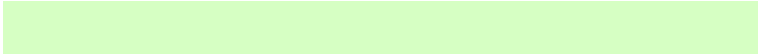
80.4605, 89.7563, 156.4225



104.0594, 89.7563, 85.6459

Complementary

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



73.3419, 89.7563, 65.0889



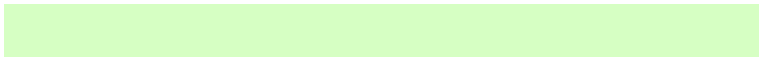
72.1581, 64.0843, 103.1741

Split Complementary

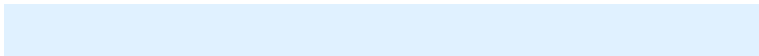
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.8946, 89.7563, 112.5868



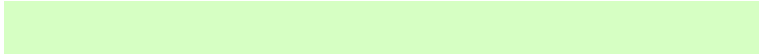
73.3419, 89.7563, 65.0889



89.7931, 89.7563, 156.9891

Square

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



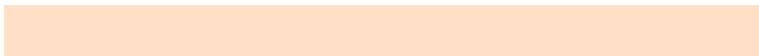
73.3419, 89.7563, 65.0889



72.9858, 89.7563, 138.3542



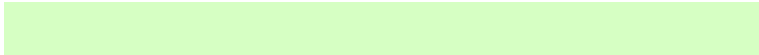
98.5155, 89.7563, 139.7837



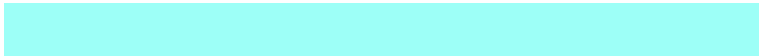
98.9504, 89.7563, 65.9544

Rectangle

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



73.3419, 89.7563, 65.0889



68.5291, 89.7563, 101.4898



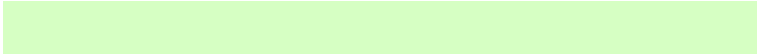
98.5155, 89.7563, 139.7837



104.6300, 89.7563, 94.0629

Sweetspot

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



73.3424, 89.7565, 65.0903



87.9620, 96.6627, 94.2574



81.0862, 85.1915, 63.8010



18.7021, 20.6307, 19.9187



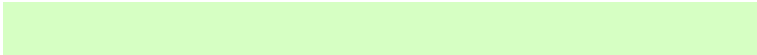
0.0000, 0.0000, 0.0000



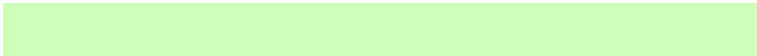
20.3446, 21.4041, 23.3091

Same Dimension

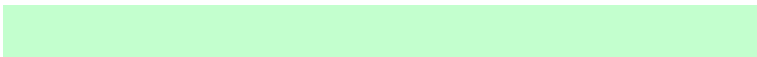
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3424, 89.7565, 65.0903



69.8816, 88.1157, 58.4528



69.4070, 87.5787, 71.6399



18.3129, 20.4472, 19.1258



20.5829, 38.3490, 6.3173



2.1116, 3.7893, 0.6201

Inverse Universe

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



72.1581, 64.0843, 103.1741



68.5132, 58.5563, 102.2992



77.0848, 66.8229, 94.4236



18.2004, 17.9951, 22.7641



18.7435, 8.5731, 50.1015



1.9383, 0.8932, 4.8835

Previews

White Background



This preview shows how the XYZ color 73.3419, 89.7563, 65.0889 looks on a white background.

Color Contrast Check

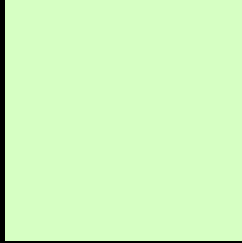
Large Text (above 18pt) WCAG AA × Fail

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 73.3419, 89.7563, 65.0889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

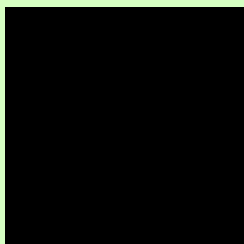
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

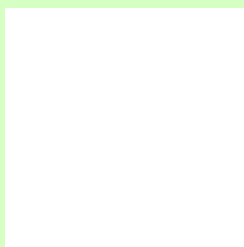
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.3419, 89.7563, 65.0889

Background



This preview shows how black text looks on a background with the XYZ color 73.3419, 89.7563, 65.0889.

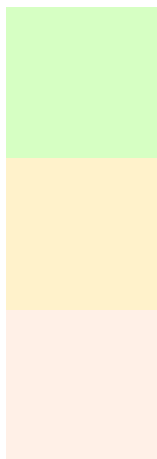


This preview shows how white text looks on a background with the XYZ color 73.3419, 89.7563,

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

73.3419, 89.7563, 65.0889

Protanopia

83.7716, 89.0761, 69.2781

Deuteranopia

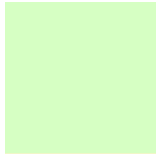
86.8239, 89.3497, 88.2714



Tritanopia

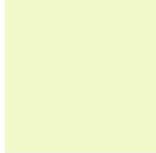
84.0050, 89.2450, 107.4062

Trichromacy



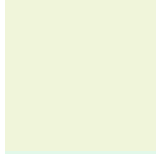
Original Color

73.3419, 89.7563, 65.0889



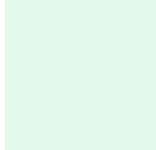
Protanomaly

79.6213, 89.2169, 67.6677



Deuteranomaly

81.2425, 88.8920, 79.2056



Tritanomaly

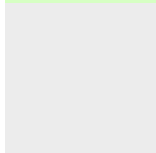
79.6394, 89.1867, 90.1081

Monochromacy



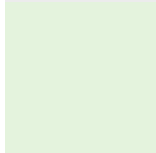
Original Color

73.3419, 89.7563, 65.0889



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.0966, 85.8156, 80.9073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.3419, 89.7563, 65.0889 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(214, 255, 195)` looks like.

```
.text, #text, p{  
    color:rgb(214, 255, 195)  
}
```

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(214, 255, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 255, 195) }
```

Border

The CSS property to change the border of an element to XYZ 73.3419, 89.7563, 65.0889 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(214, 255, 195) }
```


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

```
.border{ border-color:rgb(214, 255, 195) }
```

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

Here you see how a box with a 4 pixel rgb(214, 255, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(214, 255,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 73.3419, 89.7563, 65.0889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 255, 195) }
```

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

```
.background{ background-color: rgb(214,  
255, 195) }
```

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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