

Converting Colors

XYZ(78.7108, 100.0000,
69.8795)

Have a look what the booklet for
XYZ(78.7108, 100.0000, 69.8795)
contains.

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Color

**XYZ(73.6259, 89.8363,
68.1032)**

Conversions

Conversions Part 1

Format	Color
Hex	D5FFC8
RGB	213, 255, 200
RGB Percent	84%, 100%, 78%
CMY	0.1647, 0.0000, 0.2157
CMYK	0.16, 0.00, 0.22, 0.00
HSL	106°, 100%, 89%
HSV	106°, 22%, 100%
XYZ	73.6259, 89.8363, 68.1032
YIQ	236.1720, -7.3770, -26.0090

Conversions

Conversions Part 2

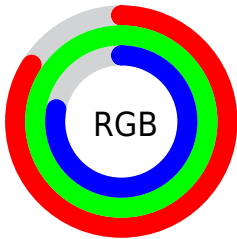
Format	Color
RYB	200, 255, 242
Decimal	14024648
CIELab	95.93, -23.25, 21.94
CIELCh	96, 31.970, 136.664
Yxy	89.8363, 0.3179, 0.3880
Android (android.graphics.Color)	4292214728 (0xFFD5FFC8)
YUV	236.1720, -17.8328, -20.3218
Hunter-Lab	94.7820, -27.2112, 23.7461

Details

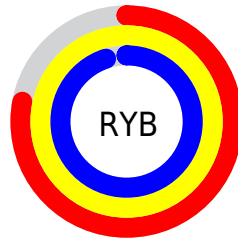
The XYZ color **73.6259, 89.8363, 68.1032** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.3231, 67.4070, 103.6486**, and the grayscale version is **79.9964, 84.1624, 91.6529**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4829, 49.7326, 34.7125** is the 20% darker color. If you saturate the color by 10%, you get **65.5762, 86.0026, 53.4455**, and if you desaturate by 10%, it is **82.8520, 94.2189, 85.4132**.

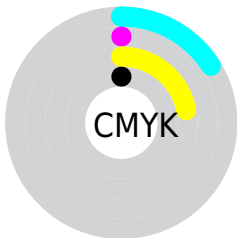
Distribution



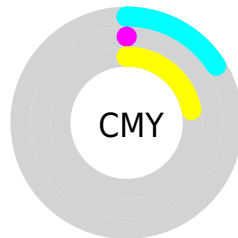
- Red (84%)
- Green (100%)
- Blue (78%)



- Red (78%)
- Yellow (100%)
- Blue (95%)



- Cyan (16%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (16%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6259, 89.8363, 68.1032 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 73.6259, 89.8363, 68.1032 by changing the saturation by 10% instead.


 73.6259, 89.8363,
68.1032

 73.6259, 89.8363,
68.1032


462.2515,
527.4982, 472.4696

 54.7781, 67.8449,
49.5145


123.3637,
147.1110, 118.1554

 39.4572, 49.7715,
34.6593


154.9844,
183.1630, 150.4559

 27.2979, 35.2319,
23.1191


191.5935,
224.6708, 188.1641

 17.9348, 23.8416,
14.4753

233.5563,
272.0185, 231.6986

 11.0026, 15.2161,
8.3095

281.2381,
325.5908, 281.4778

 6.1359, 8.9712,
4.2030

335.0043,

 2.9693, 4.7224,

385.7719, 337.9204

1.7374

395.2203,
452.9462, 401.4448

■ 1.1376, 2.0853,
0.3862

■ 0.0562, 0.6564,
0.0000

■ 73.6259, 89.8363,
68.1032

■ 73.6259, 89.8363,
68.1032

■ 65.5762, 86.0026,
53.4455

■ 82.8520, 94.2189,
85.4132

■ 58.6528, 82.6950,
41.3051

■ 93.2986, 99.1707,
105.4931

■ 52.8042, 79.8900,
31.5414

■ 95.0500, 100.0000,
108.9000

■ 47.9739, 77.5618,
23.9983

■ 44.1003, 75.6826,
18.5010

■ 41.1142, 74.2209,
14.8487

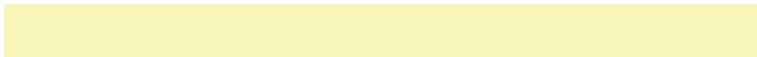
■ 38.9357, 73.1409,
12.7996

■ 37.6398, 72.4891,
12.0080

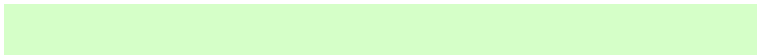
Harmonies

Analogous

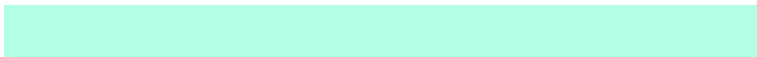
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6110, 89.8363, 58.2445



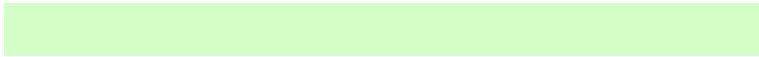
73.6259, 89.8363, 68.1032



69.9120, 89.8363, 87.0261

Triad

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



73.6259, 89.8363, 68.1032



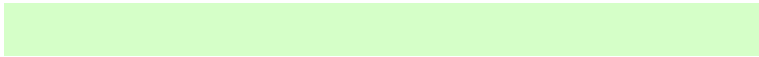
81.5309, 89.8363, 153.1542



102.7026, 89.8363, 84.5278

Complementary

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



73.6259, 89.8363, 68.1032



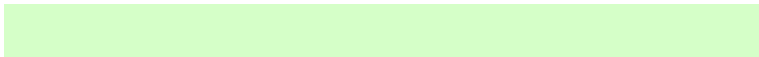
75.3231, 67.4070, 103.6486

Split Complementary

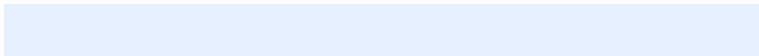
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.9914, 89.8363, 109.4637



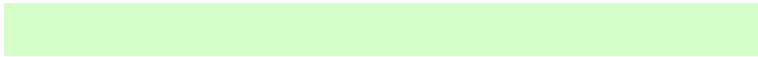
73.6259, 89.8363, 68.1032



90.3474, 89.8363, 152.1710

Square

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



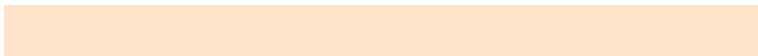
73.6259, 89.8363, 68.1032



74.2592, 89.8363, 137.6070



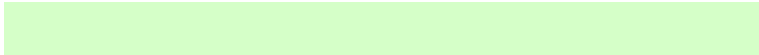
98.3376, 89.8363, 135.1158



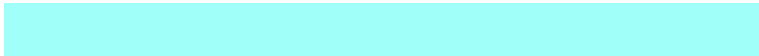
97.5737, 89.8363, 66.5470

Rectangle

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



73.6259, 89.8363, 68.1032



69.6122, 89.8363, 103.5671



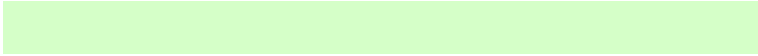
98.3376, 89.8363, 135.1158



103.3806, 89.8363, 92.2827

Sweetspot

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



73.6265, 89.8365, 68.1046



88.5150, 96.9044, 96.2438



83.1951, 88.4893, 67.3402



18.7994, 20.6721, 20.3185



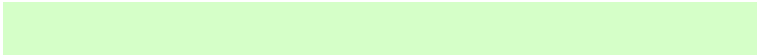
0.0000, 0.0000, 0.0000



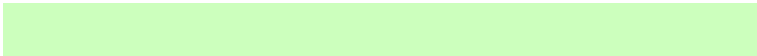
20.3446, 21.4041, 23.3091

Same Dimension

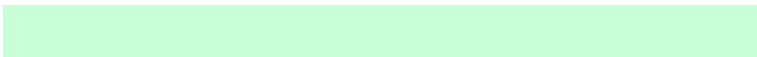
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6265, 89.8365, 68.1046



69.9162, 88.0709, 61.2880



71.6859, 88.6420, 76.7835



18.1734, 20.3753, 19.1193



19.7765, 37.9332, 6.2795



2.0174, 3.7408, 0.6157

Inverse Universe

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



75.3231, 67.4070, 103.6486



71.8912, 61.8944, 102.7655



77.8094, 68.9354, 92.6203



18.3484, 18.0713, 22.7710



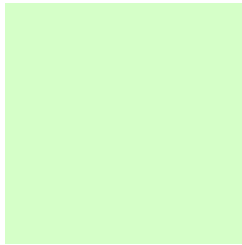
21.2940, 9.8880, 50.2208



2.1697, 1.0124, 4.8943

Previews

White Background



This preview shows how the XYZ color 73.6259, 89.8363, 68.1032 looks on a white background.

Color Contrast Check

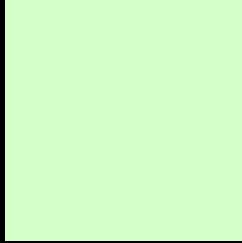
Large Text (above 18pt) WCAG AA × Fail

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 73.6259, 89.8363, 68.1032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

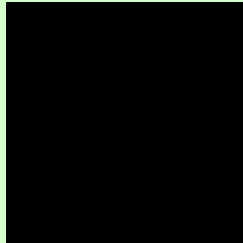
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

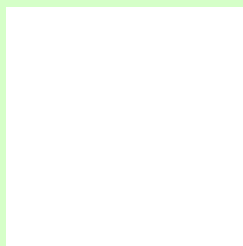
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6259, 89.8363, 68.1032

Background



This preview shows how black text looks on a background with the XYZ color 73.6259, 89.8363, 68.1032.

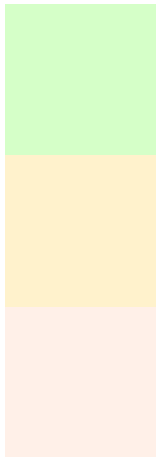


This preview shows how white text looks on a background with the XYZ color 73.6259, 89.8363,

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

73.6259, 89.8363, 68.1032

Protanopia

83.8912, 89.1239, 69.9078

Deuteranopia

86.9656, 89.4064, 89.0175



Tritanopia

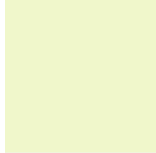
84.3067, 89.8485, 107.5068

Trichromacy



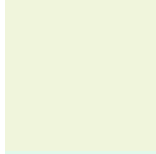
Original Color

73.6259, 89.8363, 68.1032



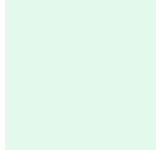
Protanomaly

79.9754, 89.3586, 69.5327



Deuteranomaly

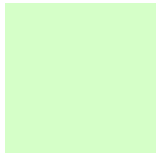
81.5059, 88.9974, 80.5925



Tritanomaly

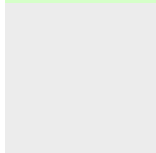
80.2351, 89.9183, 91.7244

Monochromacy



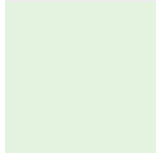
Original Color

73.6259, 89.8363, 68.1032



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.3648, 85.9229, 82.3193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6259, 89.8363, 68.1032 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(213, 255, 200)` looks like.

```
.text, #text, p{  
    color:rgb(213, 255, 200)  
}
```

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(213, 255, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 255, 200) }
```

Border

The CSS property to change the border of an element to XYZ 73.6259, 89.8363, 68.1032 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(213, 255, 200) }
```


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

```
.border{ border-color:rgb(213, 255, 200) }
```

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

Here you see how a box with a 4 pixel rgb(213, 255, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 255, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 255, 200);  
box-shadow:4px 4px 4px 4px rgb(213, 255,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6259, 89.8363, 68.1032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 255, 200) }
```

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

```
.background{ background-color: rgb(213,  
255, 200) }
```

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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