

Converting Colors

XYZ(75.7530, 90.9132, 69.0917)

Have a look what the booklet for
XYZ(75.7530, 90.9132, 69.0917)
contains.

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Color

**XYZ(75.8178, 90.9527,
68.8179)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFFC9
RGB	220, 255, 201
RGB Percent	86%, 100%, 79%
CMY	0.1373, 0.0000, 0.2118
CMYK	0.14, 0.00, 0.21, 0.00
HSL	99°, 100%, 89%
HSV	99°, 21%, 100%
XYZ	75.8178, 90.9527, 68.8179
YIQ	238.3790, -3.5260, -24.2140

Conversions

Conversions Part 2

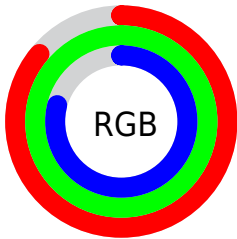
Format	Color
RYB	201, 255, 236
Decimal	14483401
CIELab	96.39, -20.73, 22.14
CIELCh	96, 30.331, 133.117
Yxy	90.9527, 0.3218, 0.3861
Android (android.graphics.Color)	4292673481 (0xFFDCFFC9)
YUV	238.3790, -18.4278, -16.1184
Hunter-Lab	95.3691, -24.9897, 23.9750

Details

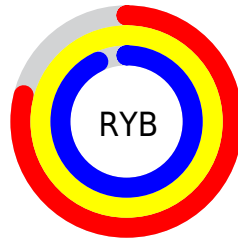
The XYZ color **75.8178, 90.9527, 68.8179** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.5296, 66.8273, 103.6313**, and the grayscale version is **81.7015, 85.9564, 93.6065**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.9776, 50.4941, 35.1903** is the 20% darker color. If you saturate the color by 10%, you get **68.3049, 87.3979, 54.0859**, and if you desaturate by 10%, it is **84.3245, 94.9621, 86.1984**.

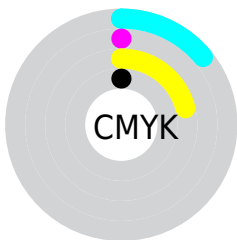
Distribution



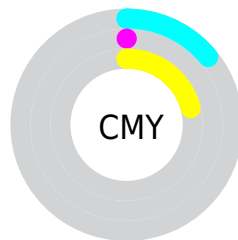
- Red (86%)
- Green (100%)
- Blue (79%)



- Red (79%)
- Yellow (100%)
- Blue (93%)



- Cyan (14%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8178, 90.9527, 68.8179 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 75.8178, 90.9527, 68.8179 by changing the saturation by 10% instead.


 75.8178, 90.9527,
68.8179

 75.8178, 90.9527,
68.8179


469.6777,
531.1251, 475.0650

 56.5796, 68.7711,
50.0926


126.4511,
148.6610, 119.1867

 40.9067, 50.5253,
35.1153


158.5769,
184.9565, 151.6673

 28.4335, 35.8310,
23.4674


195.7293,
226.7254, 189.5700

 18.7948, 24.3037,
14.7305

238.2736,
274.3522, 233.3134

 11.6252, 15.5590,
8.4859

286.5753,
328.2211, 283.3161

 6.5594, 9.2127,
4.3152

340.9997,

 3.2320, 4.8802,

388.7166, 339.9965

1.7998

401.9120,
456.2232, 403.7733

■ 1.2776, 2.1771,
0.4278

■ 0.1664, 0.7075,
0.0000

■ 75.8178, 90.9527,
68.8179

■ 75.8178, 90.9527,
68.8179

■ 68.3049, 87.3979,
54.0859

■ 84.3245, 94.9621,
86.1984

■ 61.7453, 84.2799,
41.8684

■ 93.8598, 99.4417,
106.3445

■ 56.0978, 81.5806,
32.0257

■ 95.0500, 100.0000,
108.9000

■ 51.3176, 79.2800,
24.4028

■ 47.3552, 77.3567,
18.8264

■ 44.1553, 75.7863,
15.0975

■ 41.6541, 74.5412,
12.9772

■ 39.9493, 73.6797,
12.1161

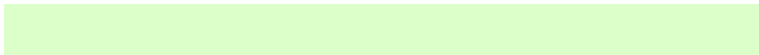
Harmonies

Analogous

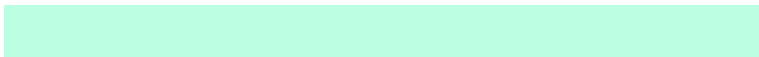
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.8149, 90.9527, 60.2959



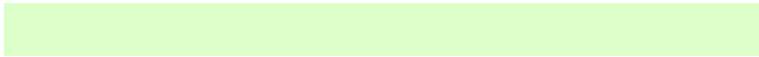
75.8178, 90.9527, 68.8179



71.8225, 90.9527, 86.1317

Triad

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



75.8178, 90.9527, 68.8179



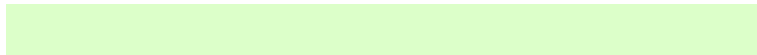
81.8175, 90.9527, 150.5281



103.2453, 90.9527, 88.8489

Complementary

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



75.8178, 90.9527, 68.8179



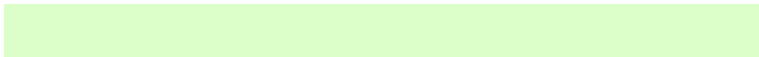
73.5296, 66.8273, 103.6313

Split Complementary

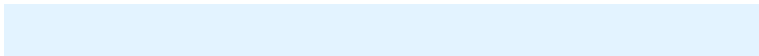
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



102.9348, 90.9527, 113.1601



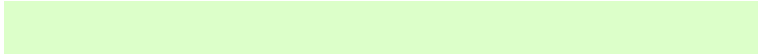
75.8178, 90.9527, 68.8179



90.1854, 90.9527, 151.5759

Square

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



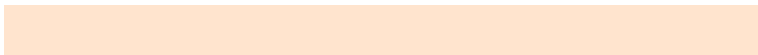
75.8178, 90.9527, 68.8179



75.1287, 90.9527, 134.3380



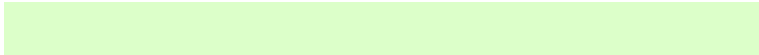
98.0277, 90.9527, 137.0029



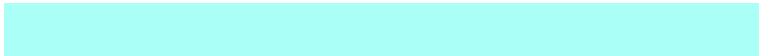
98.8503, 90.9527, 70.5268

Rectangle

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



75.8178, 90.9527, 68.8179



71.2270, 90.9527, 101.5825



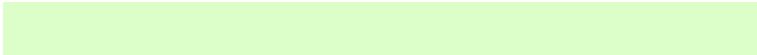
98.0277, 90.9527, 137.0029



103.6959, 90.9527, 96.5246

Sweetspot

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



75.8184, 90.9529, 68.8193



89.1289, 97.2209, 96.2725



81.5487, 85.0088, 67.3699



18.9442, 20.7468, 20.3253



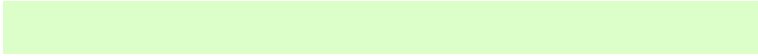
0.0000, 0.0000, 0.0000



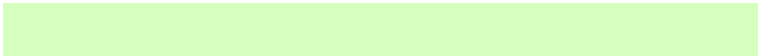
20.3446, 21.4041, 23.3091

Same Dimension

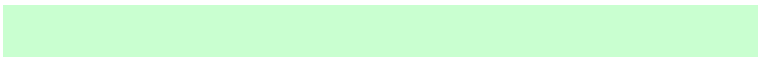
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8184, 90.9529, 68.8193



72.8298, 89.5407, 62.8791



71.2580, 88.5018, 73.1316



18.3744, 20.4789, 19.1287



21.0201, 38.5743, 6.3377



2.1598, 3.8142, 0.6224

Inverse Universe

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



73.5296, 66.8273, 103.6313



70.1994, 61.8421, 102.8445



79.0394, 69.7992, 97.9513



18.1361, 17.9619, 22.7611



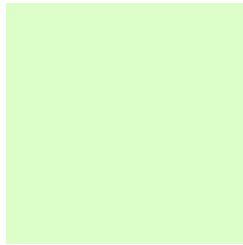
17.7379, 8.0547, 50.0544



1.8456, 0.8453, 4.8792

Previews

White Background



This preview shows how the XYZ color 75.8178, 90.9527, 68.8179 looks on a white background.

Color Contrast Check

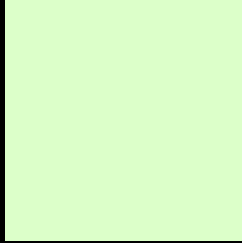
Large Text (above 18pt) WCAG AA × Fail

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 75.8178, 90.9527, 68.8179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

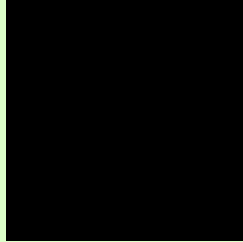
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

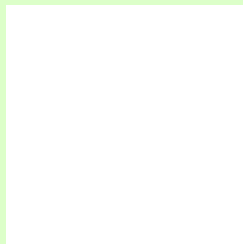
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.8178, 90.9527, 68.8179

Background



This preview shows how black text looks on a background with the XYZ color 75.8178, 90.9527, 68.8179.



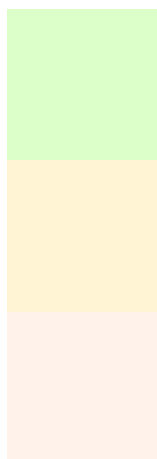
This preview shows how white text looks on a background with the XYZ color 75.8178, 90.9527,

68.8179.

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

75.8178, 90.9527, 68.8179

Protanopia

85.3486, 90.6645, 74.6297

Deuteranopia

87.8434, 90.7048, 90.7198



Tritanopia

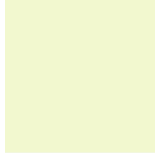
85.6275, 90.5293, 107.5686

Trichromacy



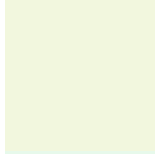
Original Color

75.8178, 90.9527, 68.8179



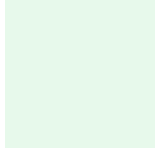
Protanomaly

81.4478, 90.5170, 72.2103



Deuteranomaly

83.0635, 90.6727, 82.2309



Tritanomaly

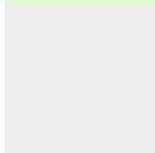
81.8261, 90.7384, 91.7988

Monochromacy



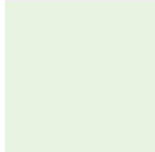
Original Color

75.8178, 90.9527, 68.8179



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.8963, 87.1265, 83.8930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8178, 90.9527, 68.8179 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(220, 255, 201)` looks like.

```
.text, #text, p{  
    color:rgb(220, 255, 201)  
}
```

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(220, 255, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 201) }
```

Border

The CSS property to change the border of an element to XYZ 75.8178, 90.9527, 68.8179 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(220, 255, 201) }
```


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

```
.border{ border-color:rgb(220, 255, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 255, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 201);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8178, 90.9527, 68.8179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 201) }
```

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

```
.background{ background-color: rgb(220,  
255, 201) }
```

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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