

Converting Colors

XYZ(69.8565, 86.5126, 51.8070)

Have a look what the booklet for
XYZ(69.8565, 86.5126, 51.8070)
contains.

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Color

**XYZ(69.6751, 86.2691,
52.0091)**

Conversions

Conversions Part 1

Format	Color
Hex	D6FBAC
RGB	214, 251, 172
RGB Percent	84%, 98%, 67%
CMY	0.1608, 0.0157, 0.3255
CMYK	0.15, 0.00, 0.31, 0.02
HSL	88°, 91%, 83%
HSV	88°, 31%, 98%
XYZ	69.6751, 86.2691, 52.0091
YIQ	230.9310, 3.3070, -32.4130

Conversions

Conversions Part 2

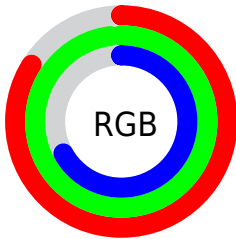
Format	Color
RYB	172, 251, 209
Decimal	14089132
CIELab	94.43, -25.15, 34.05
CIELCh	94, 42.330, 126.444
Yxy	86.2691, 0.3351, 0.4148
Android (android.graphics.Color)	4292279212 (0xFFD6FBAC)
YUV	230.9310, -29.0530, -14.8485
Hunter-Lab	92.8812, -28.6397, 31.8172

Details

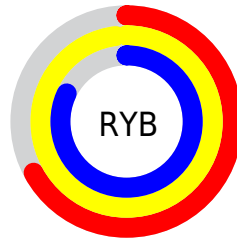
The XYZ color **69.6751, 86.2691, 52.0091** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **58.4633, 50.0279, 97.8466**, and the grayscale version is **76.1139, 80.0777, 87.2047**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **36.7221, 47.1846, 24.6248** is the 20% darker color. If you saturate the color by 10%, you get **64.1807, 83.6920, 40.3349**, and if you desaturate by 10%, it is **75.8769, 89.1636, 66.0965**.

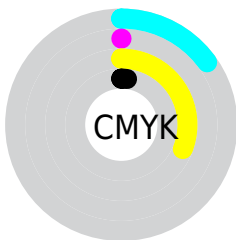
Distribution



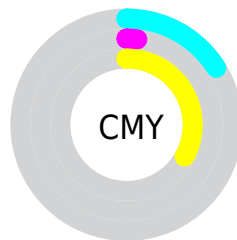
- Red (84%)
- Green (98%)
- Blue (67%)



- Red (67%)
- Yellow (98%)
- Blue (82%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (2%)



- Cyan (16%)
- Magenta (2%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.6751, 86.2691, 52.0091 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 69.6751, 86.2691, 52.0091 by changing the saturation by 10% instead.

69.6751, 86.2691,
52.0091

69.6751, 86.2691,
52.0091

448.6926,
515.8181, 411.4297

51.5403, 64.8905,
36.6300

117.7741,
142.1450, 94.5714

36.8616, 47.3723,
24.6276

148.4691,
177.4110, 122.5917

25.2735, 33.3301,
15.5834

184.0815,
218.0750, 155.6628

16.4108, 22.3794,
9.0787

224.9767,
264.5214, 194.2033

9.9080, 14.1360,
4.6950

271.5200,
317.1345, 238.6317

5.3998, 8.2153,
2.0139

324.0769,

2.5208, 4.2330,

376.2987, 289.3665

0.5638

383.0127,
442.3984, 346.8263

0.9058, 1.8047,
0.0000

0.0000, 0.4901,
0.0000

69.6751, 86.2691,
52.0091

69.6751, 86.2691,
52.0091

64.1807, 83.6920,
40.3349

75.8769, 89.1636,
66.0965

59.3563, 81.4081,
30.9328

82.8084, 92.3762,
82.7164

55.1705, 79.4069,
23.6555

90.4985, 95.9220,
101.9871

51.5860, 77.6731,
18.3363

93.7890, 97.4780,
108.4797

■ 48.5608, 76.1890,
14.7832

■ 46.0450, 74.9342,
12.7659

■ 44.2405, 74.0199,
11.9556

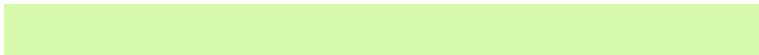
Harmonies

Analogous

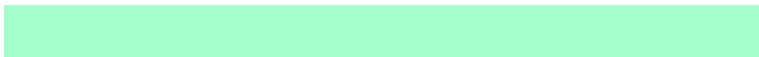
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.5653, 86.2691, 44.4169



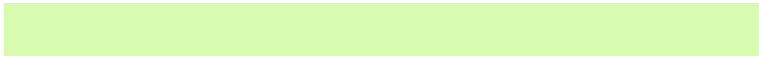
69.6751, 86.2691, 52.0091



63.5330, 86.2691, 71.0527

Triad

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



69.6751, 86.2691, 52.0091



73.5605, 86.2691, 163.8646



105.7121, 86.2691, 87.0744

Complementary

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



69.6751, 86.2691, 52.0091



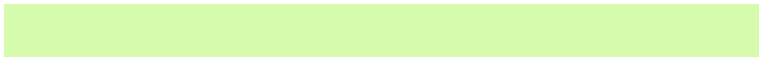
58.4633, 50.0279, 97.8466

Split Complementary

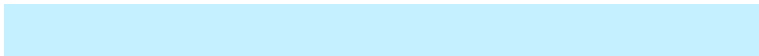
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.7290, 86.2691, 121.2616



69.6751, 86.2691, 52.0091



84.4761, 86.2691, 170.9564

Square

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



69.6751, 86.2691, 52.0091



65.6269, 86.2691, 136.2827



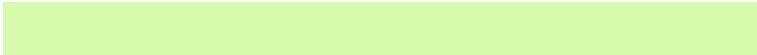
95.6904, 86.2691, 153.8840



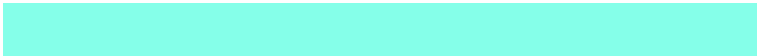
100.8834, 86.2691, 61.4133

Rectangle

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



69.6751, 86.2691, 52.0091



62.0425, 86.2691, 90.1001



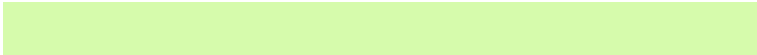
95.6904, 86.2691, 153.8840



105.8260, 86.2691, 97.8719

Sweetspot

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



69.6773, 86.2729, 52.0110



87.7277, 96.6269, 90.4083



70.0012, 69.0265, 48.6650



18.5370, 20.5711, 18.7570



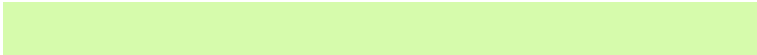
0.0000, 0.0000, 0.0000



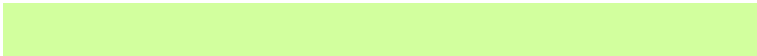
20.3446, 21.4041, 23.3091

Same Dimension

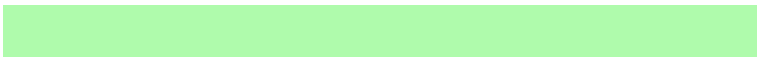
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6773, 86.2729, 52.0110



68.4080, 87.6368, 45.7030



59.5433, 81.0486, 51.5367



17.8984, 19.7634, 18.3338



23.4232, 38.9934, 6.2919



2.2918, 3.6746, 0.5885

Inverse Universe

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



58.4633, 50.0279, 97.8466



55.0558, 44.4731, 100.2901



71.0101, 56.4960, 98.4338



17.0561, 17.0415, 21.7757



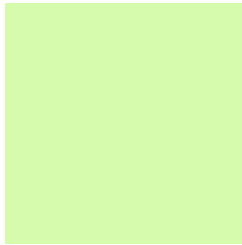
13.2141, 5.7548, 48.3879



1.3450, 0.5955, 4.4872

Previews

White Background



This preview shows how the XYZ color 69.6751, 86.2691, 52.0091 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 69.6751, 86.2691, 52.0091 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

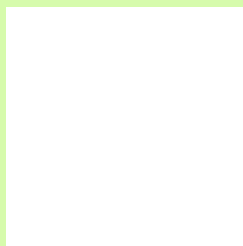
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6751, 86.2691, 52.0091

Background



This preview shows how black text looks on a background with the XYZ color 69.6751, 86.2691, 52.0091.

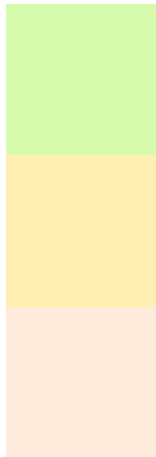


This preview shows how white text looks on a background with the XYZ color 69.6751, 86.2691,

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

69.6751, 86.2691, 52.0091

Protanopia

79.8504, 85.6234, 54.4379

Deuteranopia

83.7345, 85.7911, 79.1639



Tritanopia

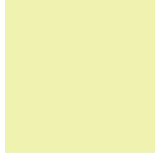
81.5232, 86.1982, 106.9489

Trichromacy



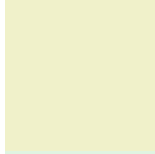
Original Color

69.6751, 86.2691, 52.0091



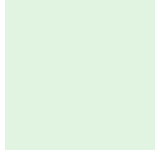
Protanomaly

75.8222, 85.7610, 53.6316



Deuteranomaly

78.0511, 85.7001, 68.3052



Tritanomaly

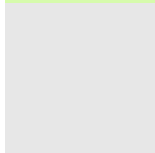
76.6818, 85.9849, 83.7893

Monochromacy



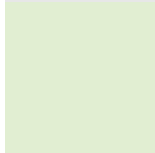
Original Color

69.6751, 86.2691, 52.0091



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.2587, 81.8098, 72.9025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6751, 86.2691, 52.0091 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, 251, 172)` looks like.

```
.text, #text, p{  
    color:rgb(214, 251, 172)  
}
```

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, 251, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 251, 172) }
```

Border

The CSS property to change the border of an element to XYZ 69.6751, 86.2691, 52.0091 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, 251, 172) }
```


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

```
.border{ border-color:rgb(214, 251, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 251, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 251, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 251, 172);  
box-shadow:4px 4px 4px 4px rgb(214, 251,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6751, 86.2691, 52.0091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 251, 172) }
```

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

```
.background{ background-color: rgb(214,  
251, 172) }
```

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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