

Converting Colors

XYZ(68.4441, 91.5844, 50.2537)

Have a look what the booklet for
XYZ(68.4441, 91.5844, 50.2537)
contains.

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Color

**XYZ(65.6689, 86.1435,
49.2426)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FFA6
RGB	197, 255, 166
RGB Percent	77%, 100%, 65%
CMY	0.2274, 0.0000, 0.3490
CMYK	0.23, 0.00, 0.35, 0.00
HSL	99°, 100%, 83%
HSV	99°, 35%, 100%
XYZ	65.6689, 86.1435, 49.2426
YIQ	227.5120, -5.9990, -39.9750

Conversions

Conversions Part 2

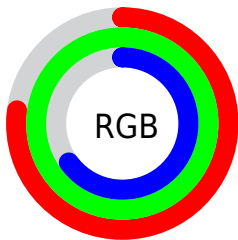
Format	Color
RYB	166, 255, 224
Decimal	12976038
CIELab	94.37, -33.73, 36.78
CIELCh	94, 49.904, 132.519
Yxy	86.1435, 0.3266, 0.4285
Android (android.graphics.Color)	4291166118 (0xFFC5FFA6)
YUV	227.5120, -30.3254, -26.7590
Hunter-Lab	92.8135, -36.1285, 33.5129

Details

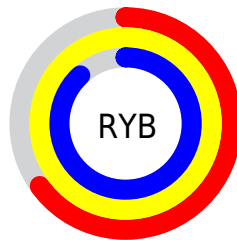
The XYZ color **65.6689, 86.1435, 49.2426** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **62.4277, 50.3410, 101.0342**, and the grayscale version is **73.6034, 77.4365, 84.3284**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **34.3300, 47.3312, 22.9492** is the 20% darker color. If you saturate the color by 10%, you get **59.4423, 83.1776, 37.9276**, and if you desaturate by 10%, it is **72.8399, 89.5426, 63.0251**.

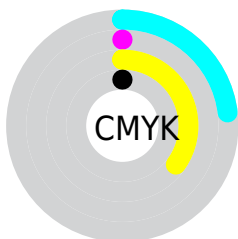
Distribution



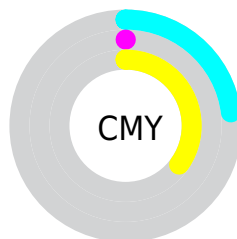
- Red (77%)
- Green (100%)
- Blue (65%)



- Red (65%)
- Yellow (100%)
- Blue (88%)



- Cyan (23%)
- Magenta (0%)
- Yellow (35%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.6689, 86.1435, 49.2426 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 65.6689, 86.1435, 49.2426 by changing the saturation by 10% instead.


 65.6689, 86.1435,
49.2426


 65.6689, 86.1435,
49.2426


434.6991,
515.4043, 400.3465

 48.2704, 64.7866,
34.4450


 112.0714,
141.9697, 90.4364

 34.2532, 47.2881,
22.9555


 141.8060,
177.2079, 117.6696

 23.2520, 33.2635,
14.3557


176.3834,
217.8419, 149.8852

 14.9014, 22.3284,
8.2269

216.1689,
264.2562, 187.5016

 8.8361, 14.0984,
4.1506

261.5279,
316.8352, 230.9374

 4.6907, 8.1891,
1.7083

312.8257,

 2.0998, 4.2162,

375.9633, 280.6111

0.3664

370.4276,
442.0249, 336.9413

0.6891, 1.7952,
0.0000

0.0000, 0.4842,
0.0000

65.6689, 86.1435,
49.2426

65.6689, 86.1435,
49.2426

59.4423, 83.1776,
37.9276

72.8399, 89.5426,
63.0251

54.1159, 80.6253,
28.9305

80.9940, 93.3922,
79.4050

49.6432, 78.4663,
22.0913

90.1694, 97.7089,
98.5080

45.9726, 76.6779,
17.2282

95.0500, 100.0000,
108.9000

■ 43.0457, 75.2345,
14.1295

■ 40.7935, 74.1065,
12.5348

■ 39.8623, 73.6348,
12.1120

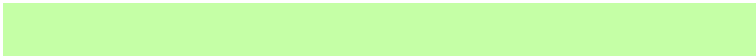
Harmonies

Analogous

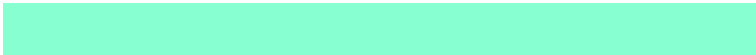
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.4180, 86.1435, 38.6271



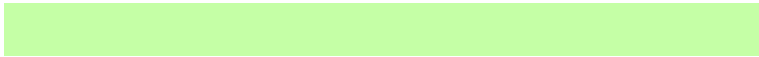
65.6689, 86.1435, 49.2426



59.6780, 86.1435, 73.3294

Triad

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



65.6689, 86.1435, 49.2426



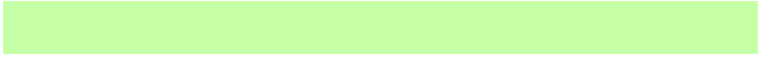
74.3782, 86.1435, 183.2511



109.6936, 86.1435, 78.6929

Complementary

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



65.6689, 86.1435, 49.2426



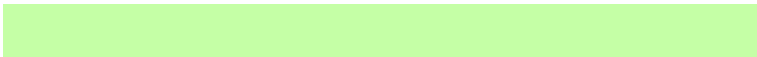
62.4277, 50.3410, 101.0342

Split Complementary

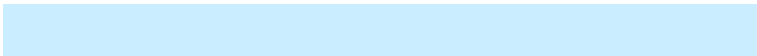
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



108.9933, 86.1435, 117.7542



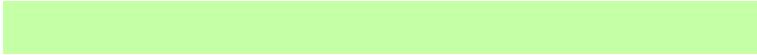
65.6689, 86.1435, 49.2426



87.5896, 86.1435, 185.8478

Square

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



65.6689, 86.1435, 49.2426



64.3164, 86.1435, 153.0263



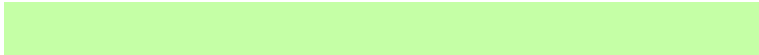
100.5536, 86.1435, 159.3736



102.3737, 86.1435, 52.2418

Rectangle

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



65.6689, 86.1435, 49.2426



58.7393, 86.1435, 97.0758



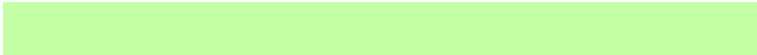
100.5536, 86.1435, 159.3736



110.4093, 86.1435, 90.5902

Sweetspot

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



65.6693, 86.1437, 49.2439



85.3610, 95.4484, 88.4197



74.7388, 77.2445, 47.0481



17.9973, 20.3012, 18.3576



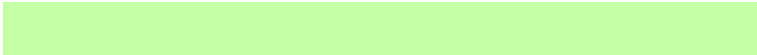
0.0000, 0.0000, 0.0000



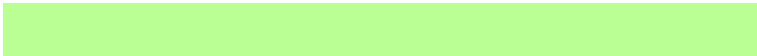
20.3446, 21.4041, 23.3091

Same Dimension

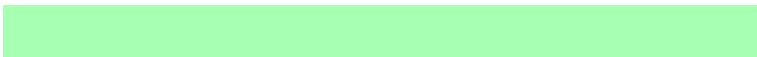
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.6693, 86.1437, 49.2439



61.1541, 83.9945, 40.9649



59.6588, 82.8962, 55.6910



18.3682, 20.4757, 19.1284



20.9737, 38.5504, 6.3355



2.1547, 3.8116, 0.6221

Inverse Universe

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



62.4277, 50.3410, 101.0342



57.4470, 43.2272, 99.9236



70.8512, 54.9232, 90.5963



18.1425, 17.9652, 22.7614



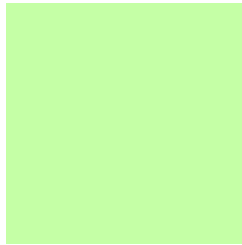
17.8360, 8.1053, 50.0590



1.8547, 0.8500, 4.8796

Previews

White Background



This preview shows how the XYZ color 65.6689, 86.1435, 49.2426 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 65.6689, 86.1435, 49.2426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

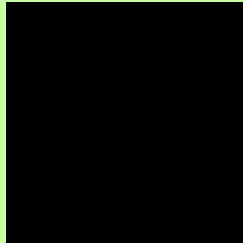
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

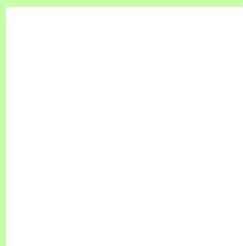
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.6689, 86.1435, 49.2426

Background



This preview shows how black text looks on a background with the XYZ color 65.6689, 86.1435, 49.2426.



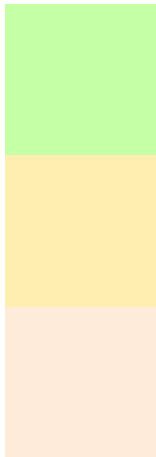
This preview shows how white text looks on a background with the XYZ color 65.6689, 86.1435,

49.2426.

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

65.6689, 86.1435, 49.2426

Protanopia

79.5524, 85.5042, 52.8685

Deuteranopia

83.4727, 85.6864, 77.7853



Tritanopia

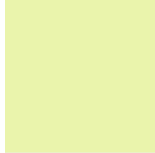
79.6209, 86.0964, 107.0295

Trichromacy



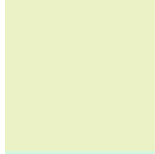
Original Color

65.6689, 86.1435, 49.2426



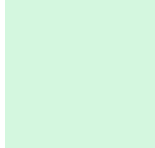
Protanomaly

73.7288, 85.1724, 51.5837



Deuteranomaly

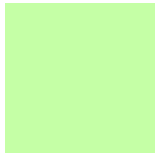
75.8769, 85.0739, 65.8478



Tritanomaly

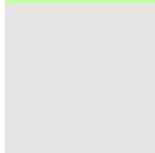
73.7314, 85.8463, 82.4960

Monochromacy



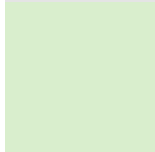
Original Color

65.6689, 86.1435, 49.2426



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.2093, 80.3086, 69.5583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.6689, 86.1435, 49.2426 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(197, 255, 166)` looks like.

```
.text, #text, p{  
    color:rgb(197, 255, 166)  
}
```

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(197, 255, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 255, 166) }
```

Border

The CSS property to change the border of an element to XYZ 65.6689, 86.1435, 49.2426 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(197, 255, 166) }
```


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

```
.border{ border-color:rgb(197, 255, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 255, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 255, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 255, 166);  
box-shadow:4px 4px 4px 4px rgb(197, 255,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 65.6689, 86.1435, 49.2426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 255, 166) }
```

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

```
.background{ background-color: rgb(197,  
255, 166) }
```

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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