

Converting Colors

XYZ(107.5613, 167.2961,
65.5488)

Have a look what the booklet for
XYZ(107.5613, 167.2961, 65.5488)
contains.

XYZ(67.2938, 86.9161, 52.2594)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.2938, 86.9161,
52.2594)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFAC
RGB	201, 255, 172
RGB Percent	79%, 100%, 67%
CMY	0.2118, 0.0000, 0.3255
CMYK	0.21, 0.00, 0.33, 0.00
HSL	99°, 100%, 84%
HSV	99°, 33%, 100%
XYZ	67.2938, 86.9161, 52.2594
YIQ	229.3920, -5.5410, -37.2610

Conversions

Conversions Part 2

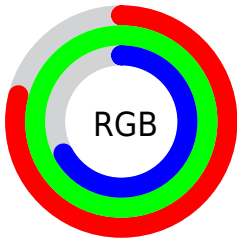
Format	Color
RYB	172, 255, 226
Decimal	13238188
CIELab	94.70, -31.53, 34.28
CIELCh	95, 46.572, 132.609
Yxy	86.9161, 0.3259, 0.4210
Android (android.graphics.Color)	4291428268 (0xFFC9FFAC)
YUV	229.3920, -28.2943, -24.8998
Hunter-Lab	93.2288, -34.3067, 32.0252

Details

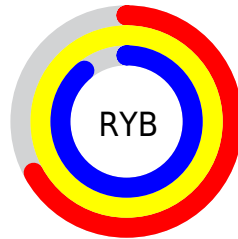
The XYZ color **67.2938, 86.9161, 52.2594** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **64.1676, 52.8950, 101.4355**, and the grayscale version is **74.9694, 78.8736, 85.8933**.

A 20% lighter version of the original color is **91.0036, 98.3814, 87.5919**, and **35.3779, 47.8311, 24.8205** is the 20% darker color. If you saturate the color by 10%, you get **60.8530, 83.8521, 40.3773**, and if you desaturate by 10%, it is **74.6871, 90.4168, 66.6414**.

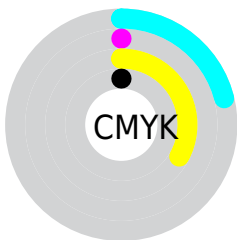
Distribution



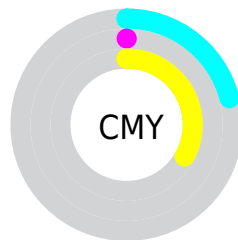
- Red (79%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (89%)



- Cyan (21%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)




- Cyan (21%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.2938, 86.9161, 52.2594 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 67.2938, 86.9161, 52.2594 by changing the saturation by 10% instead.


 67.2938, 86.9161,
52.2594

 67.2938, 86.9161,
52.2594


440.4059,
517.9471, 412.4226

 49.5950, 65.4258,
36.8282


 114.3888,
143.0472, 94.9442

 35.3082, 47.8064,
24.7798


144.5157,
178.4567, 123.0348

 24.0680, 33.6736,
15.6955

179.5159,
219.2748, 156.1824

 15.5091, 22.6430,
9.1569

219.7550,
265.8859, 194.8054

 9.2661, 14.3301,
4.7455

265.5981,
318.6742, 239.3224

 4.9736, 8.3506,
2.0426

317.4108,

 2.2664, 4.3201,

378.0243, 290.1519

0.5813

375.5582,
444.3204, 347.7125

0.7774, 1.8542,
0.0000

0.0000, 0.5206,
0.0000

67.2938, 86.9161,
52.2594

67.2938, 86.9161,
52.2594

60.8530, 83.8521,
40.3773

74.6871, 90.4168,
66.6414

55.3214, 81.2056,
30.8484

83.0711, 94.3711,
83.6509

50.6535, 78.9566,
23.5170

92.4831, 98.7956,
103.4113

46.7991, 77.0832,
18.2067

95.0500, 100.0000,
108.9000

■ 43.7018, 75.5605,
14.7140

■ 41.2957, 74.3602,
12.7926

■ 39.8888, 73.6485,
12.1132

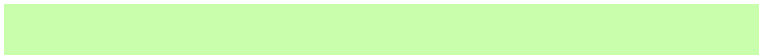
Harmonies

Analogous

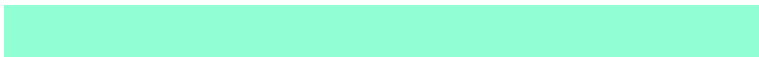
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.4426, 86.9161, 41.8529



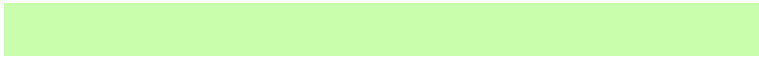
67.2938, 86.9161, 52.2594



61.6114, 86.9161, 75.4046

Triad

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



67.2938, 86.9161, 52.2594



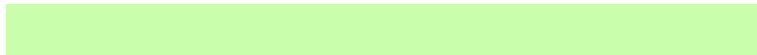
75.5902, 86.9161, 177.3325



108.5362, 86.9161, 80.3057

Complementary

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



67.2938, 86.9161, 52.2594



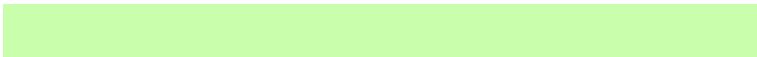
64.1676, 52.8950, 101.4355

Split Complementary

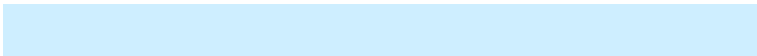
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.9108, 86.9161, 116.8892



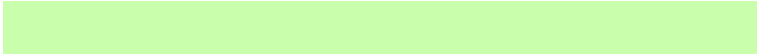
67.2938, 86.9161, 52.2594



88.0047, 86.9161, 179.6160

Square

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



67.2938, 86.9161, 52.2594



66.0567, 86.9161, 149.7087



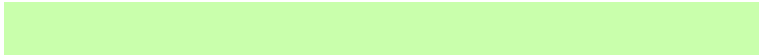
100.0925, 86.9161, 155.3266



101.7232, 86.9161, 55.0590

Rectangle

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



67.2938, 86.9161, 52.2594



60.7269, 86.9161, 97.8253



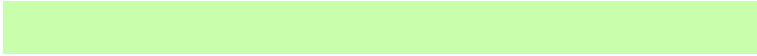
100.0925, 86.9161, 155.3266



109.2073, 86.9161, 91.5184

Sweetspot

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



67.2942, 86.9163, 52.2607



85.3703, 95.4532, 88.4201



75.8696, 78.6046, 50.2044



17.9995, 20.3024, 18.3578



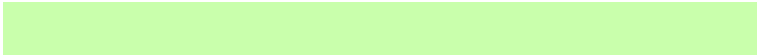
0.0000, 0.0000, 0.0000



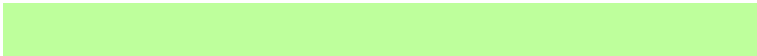
20.3446, 21.4041, 23.3091

Same Dimension

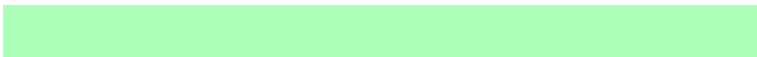
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.2942, 86.9163, 52.2607



63.0321, 84.8905, 44.3164



61.4730, 83.7706, 58.5256



18.3701, 20.4767, 19.1285



20.9878, 38.5577, 6.3362



2.1563, 3.8124, 0.6222

Inverse Universe

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



64.1676, 52.8950, 101.4355



59.4551, 46.1014, 100.3726



72.1028, 57.2099, 91.6808



18.1406, 17.9642, 22.7613



17.8059, 8.0898, 50.0576



1.8519, 0.8486, 4.8795

Previews

White Background



This preview shows how the XYZ color 67.2938, 86.9161, 52.2594 looks on a white background.

Color Contrast Check

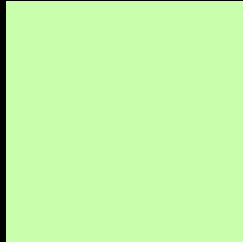
Large Text (above 18pt) WCAG AA × Fail

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 67.2938, 86.9161, 52.2594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

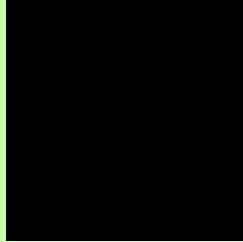
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

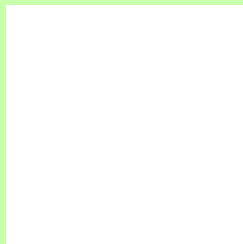
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.2938, 86.9161, 52.2594

Background



This preview shows how black text looks on a background with the XYZ color 67.2938, 86.9161, 52.2594.



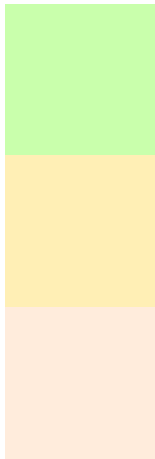
This preview shows how white text looks on a background with the XYZ color 67.2938, 86.9161,

52.2594.

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

67.2938, 86.9161, 52.2594

Protanopia

80.4470, 86.3292, 56.1393

Deuteranopia

84.1537, 86.4182, 79.9552



Tritanopia

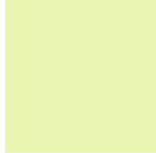
80.5426, 86.5716, 107.0727

Trichromacy



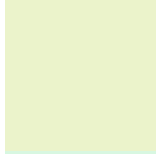
Original Color

67.2938, 86.9161, 52.2594



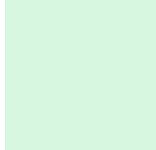
Protanomaly

74.9492, 86.1813, 54.8039



Deuteranomaly

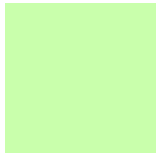
77.0910, 86.0751, 69.0509



Tritanomaly

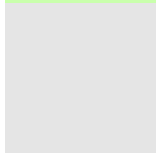
75.1703, 86.5567, 83.9794

Monochromacy



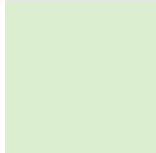
Original Color

67.2938, 86.9161, 52.2594



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.1731, 80.7632, 71.5121

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2938, 86.9161, 52.2594 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(201, 255, 172)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 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(201, 255, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 172) }
```

Border

The CSS property to change the border of an element to XYZ 67.2938, 86.9161, 52.2594 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(201, 255, 172) }
```


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

```
.border{ border-color:rgb(201, 255, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 172);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2938, 86.9161, 52.2594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 172) }
```

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

```
.background{ background-color: rgb(201,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor