

Converting Colors

XYZ(71.2772, 96.5757, 54.8602)

Have a look what the booklet for
XYZ(71.2772, 96.5757, 54.8602)
contains.

XYZ(66.1649, 86.3118, 53.2170)	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(66.1649, 86.3118,
53.2170)**

Conversions

Conversions Part 1

Format	Color
Hex	C4FFAE
RGB	196, 255, 174
RGB Percent	77%, 100%, 68%
CMY	0.2314, 0.0000, 0.3176
CMYK	0.23, 0.00, 0.32, 0.00
HSL	104°, 100%, 84%
HSV	104°, 32%, 100%
XYZ	66.1649, 86.3118, 53.2170
YIQ	228.1250, -9.1630, -37.6990

Conversions

Conversions Part 2

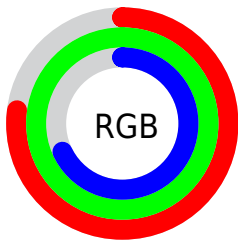
Format	Color
RYB	174, 255, 233
Decimal	12910510
CIELab	94.45, -32.93, 32.88
CIELCh	94, 46.534, 135.038
Yxy	86.3118, 0.3217, 0.4196
Android (android.graphics.Color)	4291100590 (0xFFC4FFAE)
YUV	228.1250, -26.6836, -28.1736
Hunter-Lab	92.9041, -35.4573, 31.0706

Details

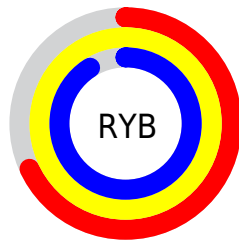
The XYZ color **66.1649, 86.3118, 53.2170** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **66.7915, 54.8171, 101.6682**, and the grayscale version is **74.0277, 77.8829, 84.8145**.

A 20% lighter version of the original color is **90.9160, 98.3040, 89.0457**, and **34.6298, 47.4314, 25.4191** is the 20% darker color. If you saturate the color by 10%, you get **59.3738, 83.0713, 41.1310**, and if you desaturate by 10%, it is **74.0270, 90.0497, 67.8190**.

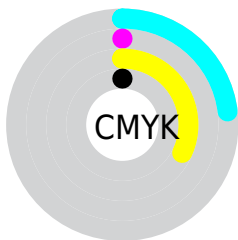
Distribution



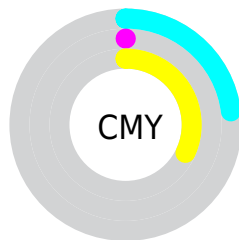
- Red (77%)
- Green (100%)
- Blue (68%)



- Red (68%)
- Yellow (100%)
- Blue (91%)



- Cyan (23%)
- Magenta (0%)
- Yellow (32%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 66.1649, 86.3118, 53.2170 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 66.1649, 86.3118, 53.2170 by changing the saturation by 10% instead.


 66.1649, 86.3118,
53.2170

 66.1649, 86.3118,
53.2170

436.4457,
515.9588, 416.2070

 48.6745, 64.9258,
37.5871


 112.7794,
142.2045, 96.3684

 34.5748, 47.4009,
25.3631


142.6342,
177.4801, 124.7270

 23.5005, 33.3527,
16.1263


177.3411,
218.1543, 158.1655

 15.0862, 22.3968,
9.4582

217.2656,
264.6115, 197.1026

 8.9666, 14.1488,
4.9404

262.7729,
317.2362, 241.9568

 4.7764, 8.2242,
2.1542

314.2285,

 2.1501, 4.2387,

376.4127, 293.1465

0.6478

371.9976,
442.5254, 351.0904

■ 0.7162, 1.8080,
0.0000

■ 0.0000, 0.4921,
0.0000

■ 66.1649, 86.3118,
53.2170

■ 66.1649, 86.3118,
53.2170

■ 59.3738, 83.0713,
41.1310

■ 74.0270, 90.0497,
67.8190

■ 53.6040, 80.3059,
31.4151

■ 83.0041, 94.3052,
85.0639

■ 48.8032, 77.9920,
23.9143

■ 93.1392, 99.0977,
105.0750

■ 44.9138, 76.1038,
18.4536

■ 95.0500, 100.0000,
108.9000

■ 41.8713, 74.6124,
14.8318

■ 39.6013, 73.4846,
12.8063

■ 38.2324, 72.7946,
12.0357

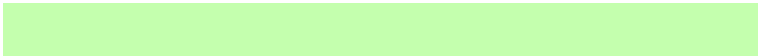
Harmonies

Analogous

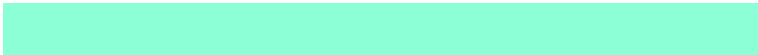
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.9519, 86.3118, 41.9091



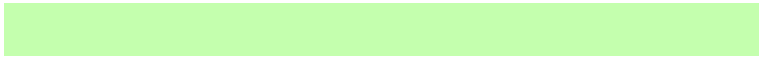
66.1649, 86.3118, 53.2170



60.9212, 86.3118, 77.2901

Triad

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



66.1649, 86.3118, 53.2170



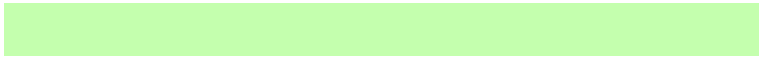
75.9813, 86.3118, 177.4907



107.5319, 86.3118, 77.2122

Complementary

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



66.1649, 86.3118, 53.2170



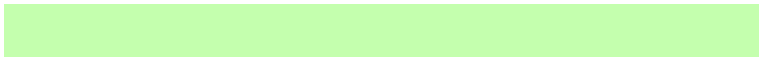
66.7915, 54.8171, 101.6682

Split Complementary

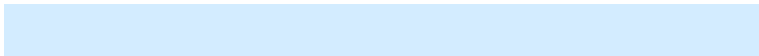
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.5418, 86.3118, 112.9121



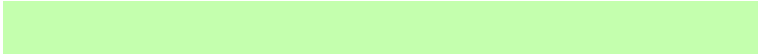
66.1649, 86.3118, 53.2170



88.4383, 86.3118, 177.4543

Square

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



66.1649, 86.3118, 53.2170



66.1846, 86.3118, 151.6440



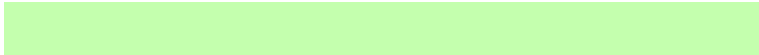
100.2633, 86.3118, 151.5546



100.2374, 86.3118, 53.1725

Rectangle

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



66.1649, 86.3118, 53.2170



60.3306, 86.3118, 100.1602



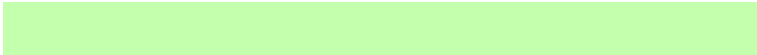
100.2633, 86.3118, 151.5546



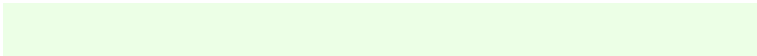
108.4097, 86.3118, 88.0573

Sweetspot

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



66.1653, 86.3119, 53.2183



84.7063, 95.1109, 88.3890



77.7511, 82.0579, 51.7865



17.8397, 20.2199, 18.3503



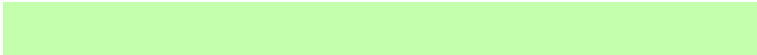
0.0000, 0.0000, 0.0000



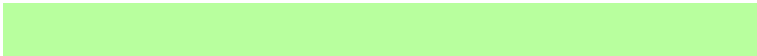
20.3446, 21.4041, 23.3091

Same Dimension

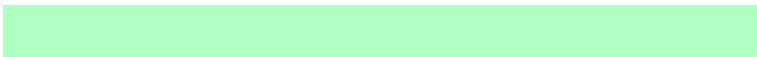
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1653, 86.3119, 53.2183



61.8074, 84.2340, 45.3941



62.6810, 84.3049, 62.5782



18.2344, 20.4067, 19.1222



20.0985, 38.0992, 6.2946



2.0561, 3.7607, 0.6175

Inverse Universe

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



66.7915, 54.8171, 101.6682



62.5060, 48.3138, 100.6388



71.7285, 57.6739, 87.8180



18.2833, 18.0378, 22.7680



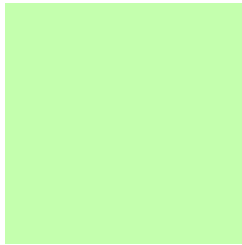
20.1306, 9.2882, 50.1664



2.0648, 0.9584, 4.8894

Previews

White Background



This preview shows how the XYZ color 66.1649, 86.3118, 53.2170 looks on a white background.

Color Contrast Check

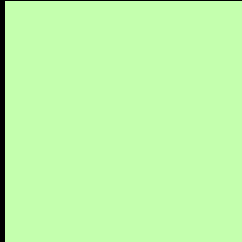
Large Text (above 18pt) WCAG AA × Fail

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 66.1649, 86.3118, 53.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

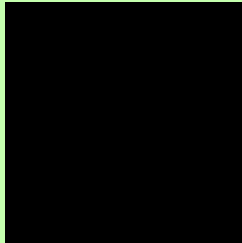
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

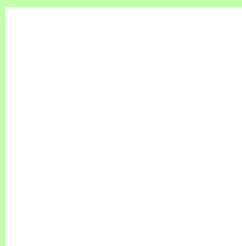
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1649, 86.3118, 53.2170

Background



This preview shows how black text looks on a background with the XYZ color 66.1649, 86.3118, 53.2170.

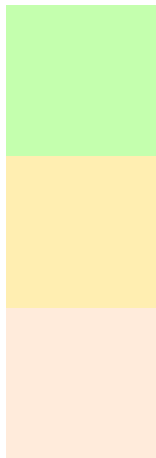


This preview shows how white text looks on a background with the XYZ color 66.1649, 86.3118,

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

66.1649, 86.3118, 53.2170

Protanopia

79.7503, 85.5834, 53.9109

Deuteranopia

83.7345, 85.7911, 79.1639



Tritanopia

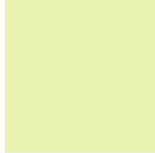
79.3173, 85.9399, 107.0153

Trichromacy



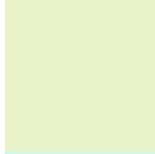
Original Color

66.1649, 86.3118, 53.2170



Protanomaly

74.1188, 85.3284, 53.6378



Deuteranomaly

76.4633, 85.3085, 68.9361



Tritanomaly

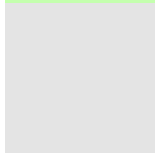
73.8522, 85.8614, 84.6320

Monochromacy



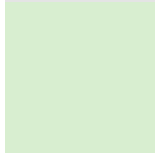
Original Color

66.1649, 86.3118, 53.2170



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.2786, 80.3021, 71.4703

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1649, 86.3118, 53.2170 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(196, 255, 174)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 174)  
}
```

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(196, 255, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 174) }
```

Border

The CSS property to change the border of an element to XYZ 66.1649, 86.3118, 53.2170 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(196, 255, 174) }
```


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

```
.border{ border-color:rgb(196, 255, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 174);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1649, 86.3118, 53.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 174) }
```

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

```
.background{ background-color: rgb(196,  
255, 174) }
```

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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