

Converting Colors

XYZ(80.8339, 115.9010,
60.6872)

Have a look what the booklet for
XYZ(80.8339, 115.9010, 60.6872)
contains.

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Color

**XYZ(65.8890, 86.1121,
55.7964)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FFB3
RGB	193, 255, 179
RGB Percent	76%, 100%, 70%
CMY	0.2431, 0.0000, 0.2980
CMYK	0.24, 0.00, 0.30, 0.00
HSL	109°, 100%, 85%
HSV	109°, 30%, 100%
XYZ	65.8890, 86.1121, 55.7964
YIQ	227.7980, -12.5560, -36.7800

Conversions

Conversions Part 2

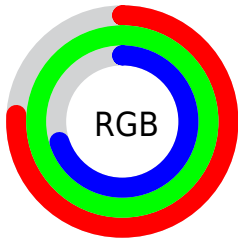
Format	Color
RYB	179, 255, 241
Decimal	12713907
CIELab	94.36, -33.18, 30.23
CIElCh	94, 44.883, 137.660
Yxy	86.1121, 0.3171, 0.4144
Android (android.graphics.Color)	4290903987 (0xFFC1FFB3)
YUV	227.7980, -24.0574, -30.5178
Hunter-Lab	92.7966, -35.6525, 29.3080

Details

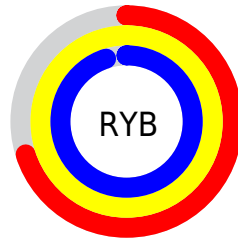
The XYZ color **65.8890, 86.1121, 55.7964** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **70.4467, 58.1622, 102.1212**, and the grayscale version is **73.7716, 77.6134, 84.5210**.

A 20% lighter version of the original color is **90.5391, 98.0274, 92.7465**, and **34.4412, 47.2978, 27.0528** is the 20% darker color. If you saturate the color by 10%, you get **58.6081, 82.6296, 43.2152**, and if you desaturate by 10%, it is **74.3938, 90.1705, 70.9269**.

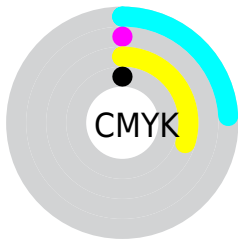
Distribution



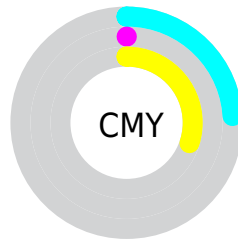
- Red (76%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (95%)



- Cyan (24%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.8890, 86.1121, 55.7964 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 65.8890, 86.1121, 55.7964 by changing the saturation by 10% instead.


 65.8890, 86.1121,
55.7964

 65.8890, 86.1121,
55.7964


435.4747,
515.3008, 426.2905

 48.4497, 64.7607,
39.6368


 112.3856,
141.9259, 100.1897

 34.3959, 47.2670,
26.9439


142.1736,
177.1571, 129.2604

 23.3622, 33.2468,
17.2990


176.8086,
217.7836, 163.4719

 14.9833, 22.3156,
10.2837

216.6558,
264.1899, 203.2428

 8.8939, 14.0890,
5.4794

262.0806,
316.7604, 248.9916

 4.7286, 8.1826,
2.4676

313.4485,

 2.1220, 4.2120,

375.8795, 301.1367

0.8229

371.1248,
441.9314, 360.0969

0.7012, 1.7928,
0.0000

0.0000, 0.4827,
0.0000

65.8890, 86.1121,
55.7964

65.8890, 86.1121,
55.7964

58.6081, 82.6296,
43.2152

74.3938, 90.1705,
70.9269

52.4924, 79.6958,
33.0391

84.1746, 94.8286,
88.7320

47.4803, 77.2821,
25.1159

95.0500, 100.0000,
108.9000

43.5039, 75.3574,
19.2742

■ 40.4872, 73.8866,
15.3180

■ 38.3432, 72.8301,
13.0142

■ 36.9527, 72.1345,
11.9902

■ 36.9309, 72.1236,
11.9748

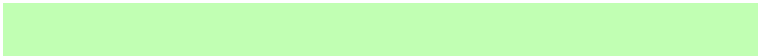
Harmonies

Analogous

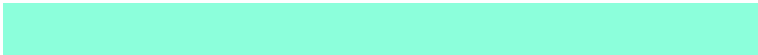
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0180, 86.1121, 43.6839



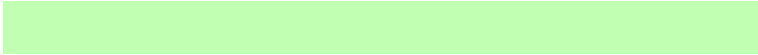
65.8890, 86.1121, 55.7964



61.2367, 86.1121, 80.2841

Triad

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



65.8890, 86.1121, 55.7964



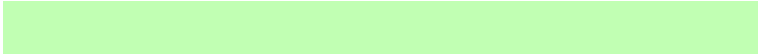
76.9948, 86.1121, 174.6620



105.9670, 86.1121, 75.0392

Complementary

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



65.8890, 86.1121, 55.7964



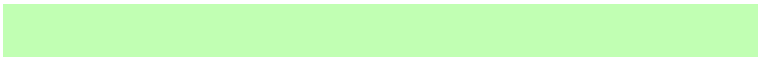
70.4467, 58.1622, 102.1212

Split Complementary

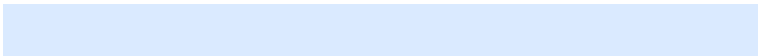
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6295, 86.1121, 108.6685



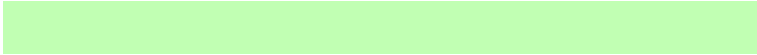
65.8890, 86.1121, 55.7964



89.0783, 86.1121, 172.2601

Square

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



65.8890, 86.1121, 55.7964



67.2135, 86.1121, 151.8526



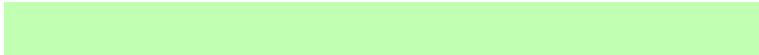
100.1935, 86.1121, 145.9264



98.4637, 86.1121, 52.7721

Rectangle

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



65.8890, 86.1121, 55.7964



60.9663, 86.1121, 102.8862



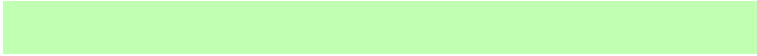
100.1935, 86.1121, 145.9264



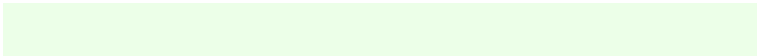
107.0218, 86.1121, 85.1928

Sweetspot

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



65.8895, 86.1124, 55.7977



85.0168, 95.2294, 90.2814



80.4783, 86.7175, 55.1456



17.8718, 20.2282, 18.7259



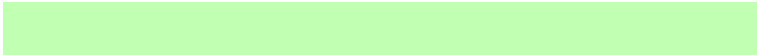
0.0000, 0.0000, 0.0000



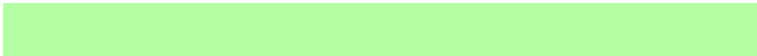
20.3446, 21.4041, 23.3091

Same Dimension

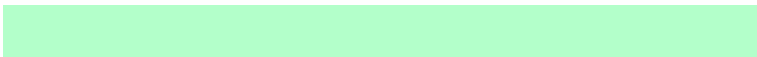
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.8895, 86.1124, 55.7977



61.2367, 83.8880, 47.7088



64.9882, 85.3589, 68.8048



18.0836, 20.3290, 19.1151



19.3863, 37.7321, 6.2613



1.9674, 3.7150, 0.6134

Inverse Universe

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



70.4467, 58.1622, 102.1212



66.4731, 51.6783, 101.0791



71.9546, 59.3388, 84.1546



18.4453, 18.1213, 22.7755



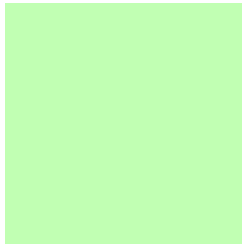
23.1461, 10.8427, 50.3075



2.3349, 1.0976, 4.9021

Previews

White Background



This preview shows how the XYZ color 65.8890, 86.1121, 55.7964 looks on a white background.

Color Contrast Check

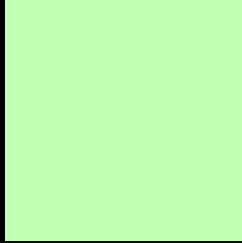
Large Text (above 18pt) WCAG AA × Fail

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 65.8890, 86.1121, 55.7964 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

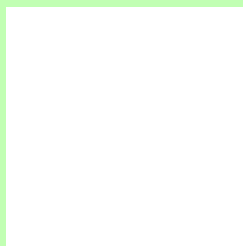
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.8890, 86.1121, 55.7964

Background



This preview shows how black text looks on a background with the XYZ color 65.8890, 86.1121, 55.7964.



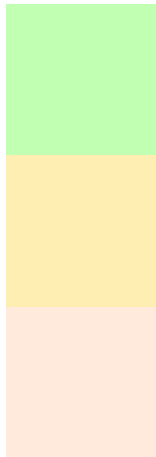
This preview shows how white text looks on a background with the XYZ color 65.8890, 86.1121,

55.7964.

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

65.8890, 86.1121, 55.7964

Protanopia

79.7503, 85.5834, 53.9109

Deuteranopia

83.4490, 85.2201, 79.0687



Tritanopia

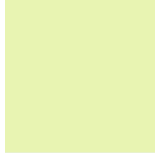
79.0155, 85.7843, 107.0012

Trichromacy



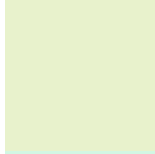
Original Color

65.8890, 86.1121, 55.7964



Protanomaly

73.6653, 85.0715, 54.6574



Deuteranomaly

75.9299, 85.0197, 69.5352



Tritanomaly

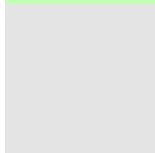
73.7042, 85.7692, 85.3435

Monochromacy



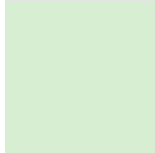
Original Color

65.8890, 86.1121, 55.7964



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.2317, 80.2493, 72.7608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.8890, 86.1121, 55.7964 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(193, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 179)  
}
```

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(193, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 179) }
```

Border

The CSS property to change the border of an element to XYZ 65.8890, 86.1121, 55.7964 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(193, 255, 179) }
```


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

```
.border{ border-color:rgb(193, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 65.8890, 86.1121, 55.7964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 179) }
```

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

```
.background{ background-color: rgb(193,  
255, 179) }
```

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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