

Converting Colors

XYZ(64.7442, 85.5280, 55.4676)

Have a look what the booklet for
XYZ(64.7442, 85.5280, 55.4676)
contains.

XYZ(64.7821, 85.5532, 55.2185)	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(64.7821, 85.5532,
55.2185)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFFB2
RGB	189, 255, 178
RGB Percent	74%, 100%, 70%
CMY	0.2588, 0.0000, 0.3020
CMYK	0.26, 0.00, 0.30, 0.00
HSL	111°, 100%, 85%
HSV	111°, 30%, 100%
XYZ	64.7821, 85.5532, 55.2185
YIQ	226.4880, -14.6190, -37.9390

Conversions

Conversions Part 2

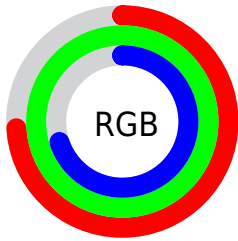
Format	Color
RYB	178, 255, 244
Decimal	12451762
CIELab	94.12, -34.64, 30.37
CIELCh	94, 46.067, 138.753
Yxy	85.5532, 0.3152, 0.4162
Android (android.graphics.Color)	4290641842 (0xFFBDFFB2)
YUV	226.4880, -23.9046, -32.8770
Hunter-Lab	92.4950, -36.8475, 29.3510

Details

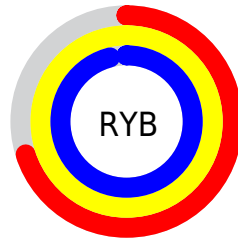
The XYZ color **64.7821, 85.5532, 55.2185** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **71.2797, 58.2952, 102.1030**, and the grayscale version is **72.8170, 76.6091, 83.4273**.

A 20% lighter version of the original color is **88.6173, 97.0533, 91.9044**, and **33.7273, 46.9372, 26.6842** is the 20% darker color. If you saturate the color by 10%, you get **57.4353, 82.0346, 42.7291**, and if you desaturate by 10%, it is **73.4229, 89.6838, 70.2552**.

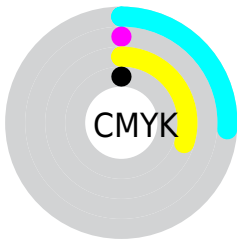
Distribution



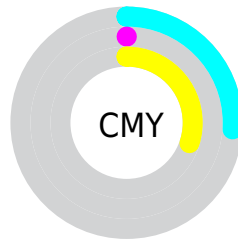
- Red (74%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (96%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.7821, 85.5532, 55.2185 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 64.7821, 85.5532, 55.2185 by changing the saturation by 10% instead.


 64.7821, 85.5532,
55.2185

 64.7821, 85.5532,
55.2185


431.5661,
513.4568, 424.0449

 47.5485, 64.2986,
39.1769


 110.8040,
141.1458, 99.3354

 33.6792, 46.8925,
26.5885


140.3229,
176.2526, 128.2477

 22.8090, 32.9507,
17.0347

174.6677,
216.7456, 162.2874

 14.5724, 22.0887,
10.0970

214.2036,
263.0091, 201.8730

 8.6042, 13.9221,
5.3569

259.2961,
315.4276, 247.4230

 4.5390, 8.0665,
2.3958

310.3104,

 2.0113, 4.1375,

374.3854, 299.3560

0.7841

367.6120,
440.2670, 358.0904

■ 0.6403, 1.7508,
0.0000

■ 0.0000, 0.4562,
0.0000

■ 64.7821, 85.5532,
55.2185

■ 64.7821, 85.5532,
55.2185

■ 57.4353, 82.0346,
42.7291

■ 73.4229, 89.6838,
70.2552

■ 51.3184, 79.0981,
32.6422

■ 83.4148, 94.4531,
87.9654

■ 46.3634, 76.7120,
24.8047

94.8132, 99.8872,
108.4713

■ 42.4955, 74.8416,
19.0440

95.0500, 100.0000,
108.9000

■ 39.6307, 73.4476,
15.1628

■ 37.6720, 72.4854,
12.9254

■ 36.5024, 71.9027,
11.9547

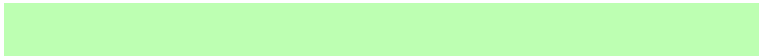
Harmonies

Analogous

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



73.9394, 85.5532, 42.5689



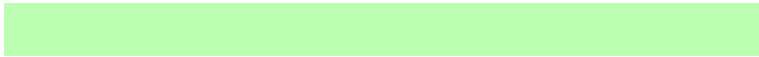
64.7821, 85.5532, 55.2185



60.2351, 85.5532, 80.5442

Triad

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



64.7821, 85.5532, 55.2185



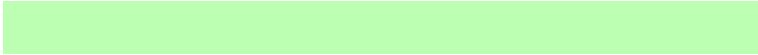
76.7849, 85.5532, 176.7367



105.8578, 85.5532, 73.0105

Complementary

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



64.7821, 85.5532, 55.2185



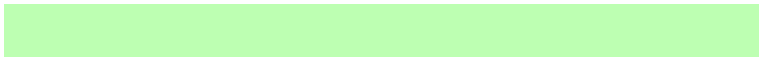
71.2797, 58.2952, 102.1030

Split Complementary

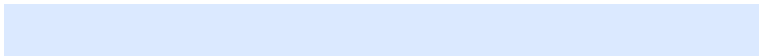
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.8171, 85.5532, 107.0133



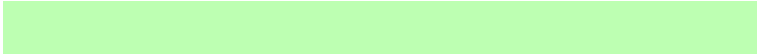
64.7821, 85.5532, 55.2185



89.1671, 85.5532, 173.2392

Square

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



64.7821, 85.5532, 55.2185



66.6838, 85.5532, 153.9994



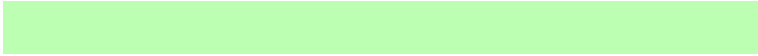
100.4473, 85.5532, 145.3898



97.9453, 85.5532, 50.9069

Rectangle

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



64.7821, 85.5532, 55.2185



60.0887, 85.5532, 103.8567



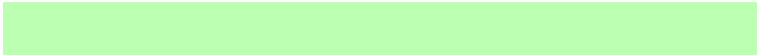
100.4473, 85.5532, 145.3898



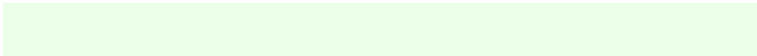
107.0319, 85.5532, 83.2110

Sweetspot

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



64.7826, 85.5534, 55.2198



84.7020, 95.0671, 90.2667



81.4617, 88.8455, 54.9762



17.7949, 20.1886, 18.7223



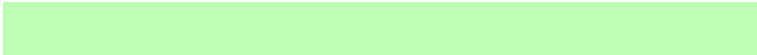
0.0000, 0.0000, 0.0000



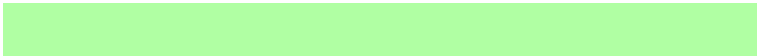
20.3446, 21.4041, 23.3091

Same Dimension

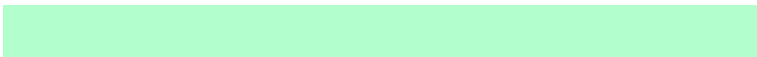
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.7826, 85.5534, 55.2198



60.3641, 83.4381, 47.6680



65.1343, 85.3907, 70.7761



18.0129, 20.2926, 19.1118



19.1458, 37.6081, 6.2500



1.9333, 3.6974, 0.6118

Inverse Universe

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



71.2797, 58.2952, 102.1030



67.7620, 52.3428, 101.1395



71.1715, 58.7060, 81.0160



18.5226, 18.1611, 22.7792



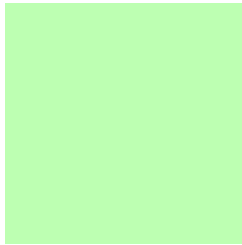
24.7273, 11.6579, 50.3815



2.4744, 1.1695, 4.9086

Previews

White Background



This preview shows how the XYZ color 64.7821, 85.5532, 55.2185 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 64.7821, 85.5532, 55.2185 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 64.7821, 85.5532, 55.2185

Background



This preview shows how black text looks on a background with the XYZ color 64.7821, 85.5532, 55.2185.

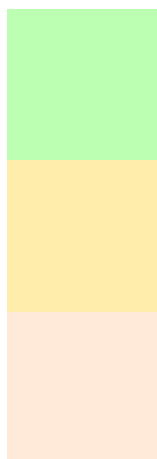


This preview shows how white text looks on a background with the XYZ color 64.7821, 85.5532,

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

64.7821, 85.5532, 55.2185

Protanopia

78.9706, 84.8069, 51.2369

Deuteranopia

82.9033, 84.5476, 77.5955



Tritanopia

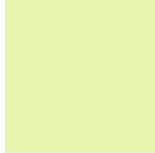
78.1210, 85.3232, 106.9593

Trichromacy



Original Color

64.7821, 85.5532, 55.2185



Protanomaly

72.9457, 84.7463, 52.5574



Deuteranomaly

75.1898, 84.2113, 68.7914



Tritanomaly

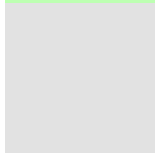
72.5795, 85.1894, 85.2909

Monochromacy



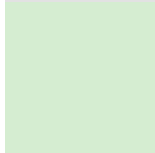
Original Color

64.7821, 85.5532, 55.2185



Achromatopsia

72.2879, 76.0525, 82.8211



Achromatomaly

69.2334, 79.3180, 71.9825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7821, 85.5532, 55.2185 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(189, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 178)  
}
```

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(189, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 64.7821, 85.5532, 55.2185 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(189, 255, 178) }
```


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

```
.border{ border-color:rgb(189, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7821, 85.5532, 55.2185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 178) }
```

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

```
.background{ background-color: rgb(189,  
255, 178) }
```

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