

Converting Colors

XYZ(75.5043, 108.7225,
63.7920)

Have a look what the booklet for
XYZ(75.5043, 108.7225, 63.7920)
contains.

XYZ(63.5520, 84.8112, 60.0344)	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(63.5520, 84.8112,
60.0344)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFBB
RGB	180, 255, 187
RGB Percent	71%, 100%, 73%
CMY	0.2941, 0.0000, 0.2667
CMYK	0.29, 0.00, 0.27, 0.00
HSL	126°, 100%, 85%
HSV	126°, 29%, 100%
XYZ	63.5520, 84.8112, 60.0344
YIQ	224.8230, -22.8720, -37.0480

Conversions

Conversions Part 2

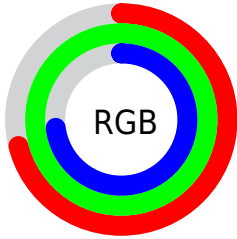
Format	Color
RYB	180, 249, 255
Decimal	11861947
CIELab	93.80, -36.06, 25.31
CIElCh	94, 44.060, 144.934
Yxy	84.8112, 0.3050, 0.4070
Android (android.graphics.Color)	4290052027 (0xFFB4FFBB)
YUV	224.8230, -18.6467, -39.3098
Hunter-Lab	92.0930, -37.9826, 25.8146

Details

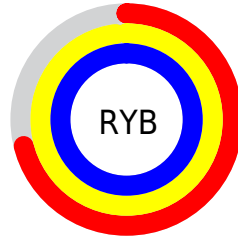
The XYZ color **63.5520, 84.8112, 60.0344** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **74.5045, 60.6802, 96.5914**, and the grayscale version is **71.5819, 75.3098, 82.0123**.

A 20% lighter version of the original color is **86.8627, 95.9956, 98.7449**, and **32.8852, 46.4416, 29.4212** is the 20% darker color. If you saturate the color by 10%, you get **55.8723, 81.1154, 47.7786**, and if you desaturate by 10%, it is **72.7233, 89.2297, 74.4426**.

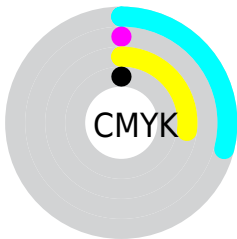
Distribution



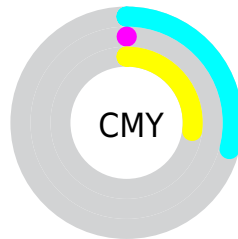
- Red (71%)
- Green (100%)
- Blue (73%)



- Red (71%)
- Yellow (98%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (29%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.5520, 84.8112, 60.0344 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 63.5520, 84.8112, 60.0344 by changing the saturation by 10% instead.

63.5520, 84.8112,
60.0344

63.5520, 84.8112,
60.0344

427.1979,
511.0031, 442.5327

46.5482, 63.6854,
43.0209

109.0428,
140.1094, 106.4234

32.8851, 46.3959,
29.5700

138.2606,
175.0505, 136.6360

22.1973, 32.5584,
19.2631

172.2805,
215.3656, 172.0854

14.1193, 21.7883,
11.6818

211.4677,
261.4389, 213.1901

8.2860, 13.7015,
6.4075

256.1877,
313.6549, 260.3686

4.3318, 7.9133,
3.0217

306.8059,

1.8915, 4.0395,

372.3981, 314.0395

1.1057

363.6875,
438.0527, 374.6214

■ 0.5719, 1.6957,
0.0000

■ 0.0000, 0.4209,
0.0000

■ 63.5520, 84.8112,
60.0344

■ 63.5520, 84.8112,
60.0344

■ 55.8723, 81.1154,
47.7786

■ 72.7233, 89.2297,
74.4426

■ 49.6035, 78.1033,
37.5682

■ 83.4578, 94.4061,
91.0952

■ 44.6601, 75.7328,
29.2929

95.0500, 100.0000,
108.9000

■ 40.9460, 73.9573,
22.8306

■ 38.3525, 72.7236,
18.0453

■ 36.7514, 71.9688,
14.7817

■ 35.9561, 71.6006,
12.8543

■ 35.9228, 71.5851,
12.7775

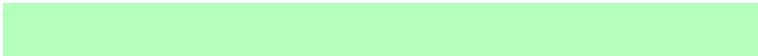
Harmonies

Analogous

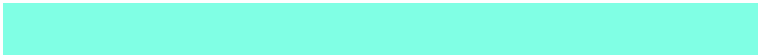
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4871, 84.8112, 45.3493



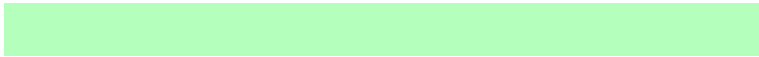
63.5520, 84.8112, 60.0344



60.2004, 84.8112, 86.7678

Triad

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



63.5520, 84.8112, 60.0344



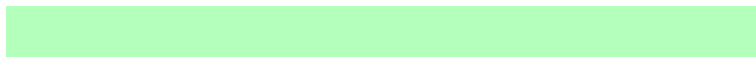
78.6388, 84.8112, 172.6091



102.7973, 84.8112, 67.7431

Complementary

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



63.5520, 84.8112, 60.0344



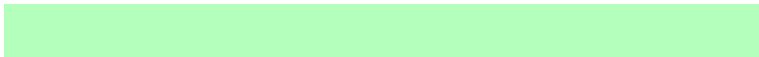
74.5045, 60.6802, 96.5914

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.



105.1796, 84.8112, 98.1562



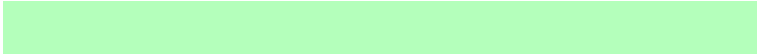
63.5520, 84.8112, 60.0344



90.4789, 84.8112, 164.0189

Square

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



63.5520, 84.8112, 60.0344



68.3556, 84.8112, 155.8096



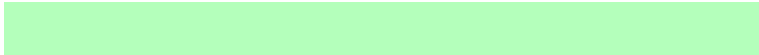
100.4772, 84.8112, 134.5617



94.2489, 84.8112, 48.9863

Rectangle

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



63.5520, 84.8112, 60.0344



60.7557, 84.8112, 109.9775



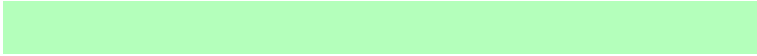
100.4772, 84.8112, 134.5617



104.3787, 84.8112, 76.7057

Sweetspot

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



63.5525, 84.8114, 60.0357



83.9339, 94.6358, 91.8297



82.9762, 94.9092, 57.1266



17.6075, 20.0834, 19.1031



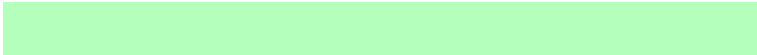
0.0000, 0.0000, 0.0000



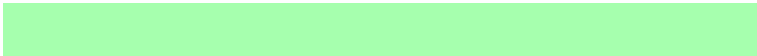
20.3446, 21.4041, 23.3091

Same Dimension

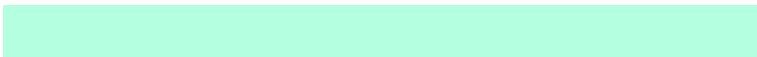
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.5525, 84.8114, 60.0357



59.0815, 82.6592, 52.9271



68.0033, 86.5917, 83.4734



17.8404, 20.1957, 19.4626



18.7934, 37.4139, 6.7971



1.8519, 3.6517, 0.7781

Inverse Universe

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



74.5045, 60.6802, 96.5914



71.5682, 55.1366, 94.5979



69.3508, 58.6187, 69.4522



18.7152, 18.2694, 22.3836



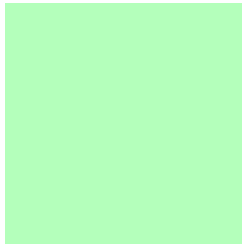
29.1300, 14.1413, 40.9307



2.8567, 1.3851, 4.0930

Previews

White Background



This preview shows how the XYZ color 63.5520, 84.8112, 60.0344 looks on a white background.

Color Contrast Check

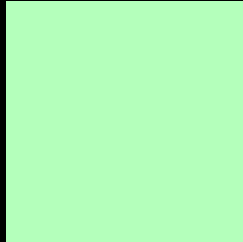
Large Text (above 18pt) WCAG AA × Fail

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 63.5520, 84.8112, 60.0344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

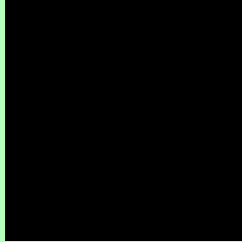
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

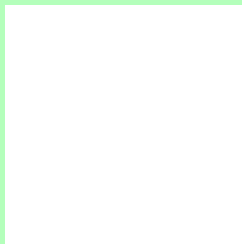
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.5520, 84.8112, 60.0344

Background



This preview shows how black text looks on a background with the XYZ color 63.5520, 84.8112, 60.0344.



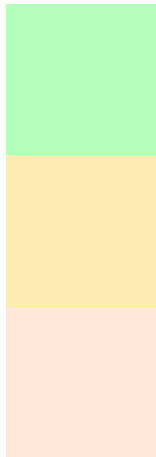
This preview shows how white text looks on a background with the XYZ color 63.5520, 84.8112,

60.0344.

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

63.5520, 84.8112, 60.0344

Protanopia

78.5393, 84.0879, 54.2106

Deuteranopia

82.6210, 83.9830, 77.5014



Tritanopia

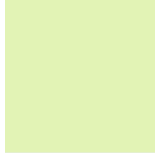
76.3805, 84.4259, 106.8779

Trichromacy



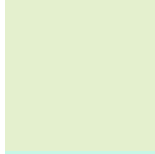
Original Color

63.5520, 84.8112, 60.0344



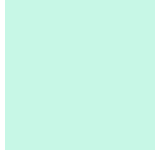
Protanomaly

71.7551, 83.6061, 56.0718



Deuteranomaly

74.2956, 83.2704, 70.5495



Tritanomaly

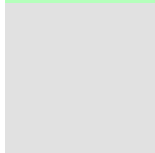
71.0969, 84.3768, 87.4021

Monochromacy



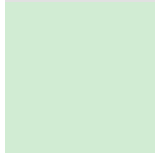
Original Color

63.5520, 84.8112, 60.0344



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.0478, 78.2494, 73.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.5520, 84.8112, 60.0344 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(180, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 187)  
}
```

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(180, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 63.5520, 84.8112, 60.0344 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(180, 255, 187) }
```


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

```
.border{ border-color:rgb(180, 255, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 63.5520, 84.8112, 60.0344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 187) }
```

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

```
.background{ background-color: rgb(180,  
255, 187) }
```

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