

Converting Colors

XYZ(63.1534, 87.7722, 46.4374)

Have a look what the booklet for
XYZ(63.1534, 87.7722, 46.4374)
contains.

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Color

**XYZ(61.3094, 83.9683,
45.7770)**

Conversions

Conversions Part 1

Format	Color
Hex	B6FF9F
RGB	182, 255, 159
RGB Percent	71%, 100%, 62%
CMY	0.2863, 0.0000, 0.3765
CMYK	0.29, 0.00, 0.38, 0.00
HSL	106°, 100%, 81%
HSV	106°, 38%, 100%
XYZ	61.3094, 83.9683, 45.7770
YIQ	222.2290, -12.6920, -45.3320

Conversions

Conversions Part 2

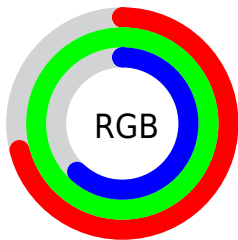
Format	Color
RYB	159, 255, 232
Decimal	11992991
CIELab	93.44, -39.69, 38.86
CIELCh	93, 55.547, 135.611
Yxy	83.9683, 0.3209, 0.4395
Android (android.graphics.Color)	4290183071 (0xFFB6FF9F)
YUV	222.2290, -31.1719, -35.2808
Hunter-Lab	91.6342, -40.9315, 34.5249

Details

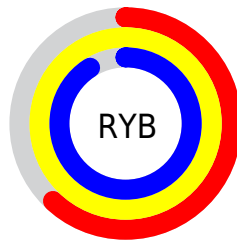
The XYZ color **61.3094, 83.9683, 45.7770** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **63.7280, 49.1733, 100.7403**, and the grayscale version is **69.8125, 73.4482, 79.9851**.

A 20% lighter version of the original color is **83.9609, 94.9516, 78.1923**, and **31.3998, 45.8644, 20.8334** is the 20% darker color. If you saturate the color by 10%, you get **55.0529, 80.9728, 35.1005**, and if you desaturate by 10%, it is **68.6574, 87.4737, 58.8896**.

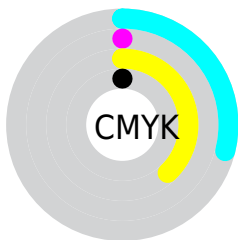
Distribution



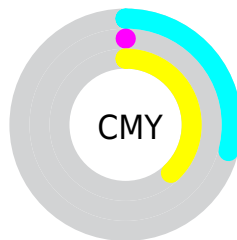
- Red (71%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (91%)



- Cyan (29%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3094, 83.9683, 45.7770 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 61.3094, 83.9683, 45.7770 by changing the saturation by 10% instead.


 61.3094, 83.9683,
45.7770


 61.3094, 83.9683,
45.7770


419.1653,
508.2080, 386.1629

 44.7284, 62.9893,
31.7225


 105.8224,
138.9308, 85.2159

 31.4439, 45.8325,
20.8866


 134.4851,
173.6831, 111.4374

 21.0906, 32.1137,
12.8507


167.9057,
213.7953, 142.5517

 13.3031, 21.4483,
7.1963

206.4496,
259.6517, 178.9772

 7.7160, 13.4521,
3.5049

250.4822,
311.6368, 221.1325

 3.9640, 7.7406,
1.3578

300.3687,

 1.6818, 3.9294,

370.1349, 269.4362

0.1085

356.4747,
435.5305, 324.3068

■ 0.4448, 1.6342,
0.0000

■ 0.0000, 0.3805,
0.0000

■ 61.3094, 83.9683,
45.7770

■ 61.3094, 83.9683,
45.7770

■ 55.0529, 80.9728,
35.1005

■ 68.6574, 87.4737,
58.8896

■ 49.8325, 78.4619,
26.7063

■ 77.1458, 91.5113,
74.5719

■ 45.5895, 76.4091,
20.4289

■ 86.8223, 96.1029,
92.9523

■ 42.2583, 74.7847,
16.0789

95.0500, 100.0000,
108.9000

■ 39.7645, 73.5550,
13.4331

■ 38.0165, 72.6794,
12.1972

■ 37.6900, 72.5150,
12.0103

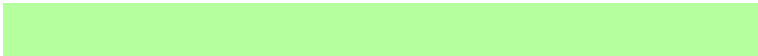
Harmonies

Analogous

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



72.4599, 83.9683, 33.6255



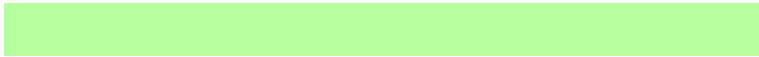
61.3094, 83.9683, 45.7770



55.4962, 83.9683, 72.7940

Triad

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



61.3094, 83.9683, 45.7770



73.0062, 83.9683, 194.0631



110.1594, 83.9683, 71.3737

Complementary

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



61.3094, 83.9683, 45.7770



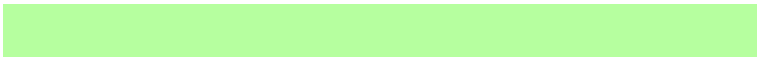
63.7280, 49.1733, 100.7403

Split Complementary

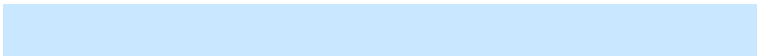
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.3525, 83.9683, 112.9961



61.3094, 83.9683, 45.7770



87.6396, 83.9683, 193.3276

Square

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



61.3094, 83.9683, 45.7770



61.6669, 83.9683, 162.1193



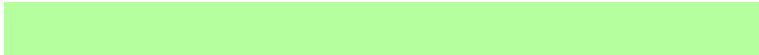
101.7002, 83.9683, 160.3410



101.2010, 83.9683, 45.0131

Rectangle

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



61.3094, 83.9683, 45.7770



54.9102, 83.9683, 99.5519



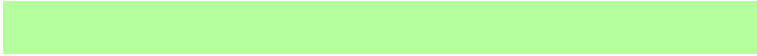
101.7002, 83.9683, 160.3410



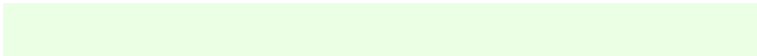
111.2851, 83.9683, 83.7570

Sweetspot

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



61.3098, 83.9685, 45.7783



83.4416, 94.4999, 86.4793



76.0743, 80.9155, 44.4108



17.5758, 20.0920, 17.9691



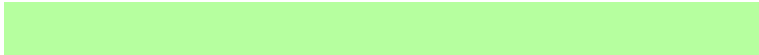
0.0000, 0.0000, 0.0000



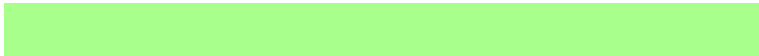
20.3446, 21.4041, 23.3091

Same Dimension

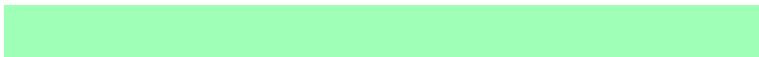
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.3098, 83.9685, 45.7783



56.6053, 81.7172, 37.6973



58.6061, 82.3102, 57.5994



18.1789, 20.3782, 19.1196



19.8039, 37.9474, 6.2808



2.0208, 3.7425, 0.6159

Inverse Universe

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



63.7280, 49.1733, 100.7403



59.3041, 42.4632, 99.6783



68.0625, 51.8268, 82.0181



18.3424, 18.0683, 22.7707



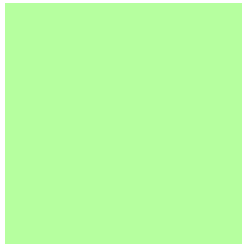
21.1849, 9.8317, 50.2157



2.1599, 1.0074, 4.8939

Previews

White Background



This preview shows how the XYZ color 61.3094, 83.9683, 45.7770 looks on a white background.

Color Contrast Check

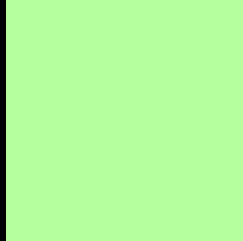
Large Text (above 18pt) WCAG AA × Fail

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 61.3094, 83.9683, 45.7770 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

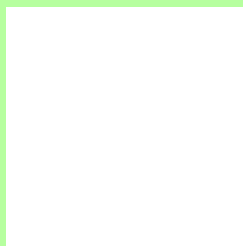
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.3094, 83.9683, 45.7770

Background



This preview shows how black text looks on a background with the XYZ color 61.3094, 83.9683, 45.7770.



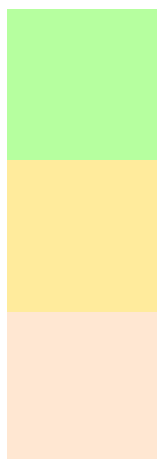
This preview shows how white text looks on a background with the XYZ color 61.3094, 83.9683,

45.7770.

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

61.3094, 83.9683, 45.7770

Protanopia

76.9491, 83.0770, 43.4323

Deuteranopia

81.4488, 83.0650, 72.7131



Tritanopia

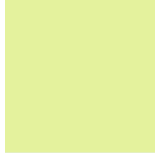
76.0836, 83.8322, 106.7789

Trichromacy



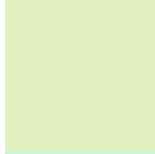
Original Color

61.3094, 83.9683, 45.7770



Protanomaly

69.8328, 82.4326, 44.1288



Deuteranomaly

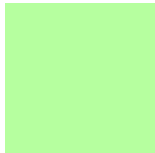
72.5590, 82.5757, 61.4047



Tritanomaly

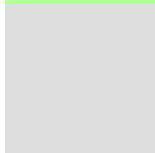
69.6935, 83.3582, 80.1267

Monochromacy



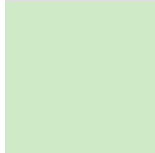
Original Color

61.3094, 83.9683, 45.7770



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

65.4637, 76.2346, 65.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3094, 83.9683, 45.7770 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(182, 255, 159)` looks like.

```
.text, #text, p{  
    color:rgb(182, 255, 159)  
}
```

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(182, 255, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 255, 159) }
```

Border

The CSS property to change the border of an element to XYZ 61.3094, 83.9683, 45.7770 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(182, 255, 159) }
```


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

```
.border{ border-color:rgb(182, 255, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 255, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 255, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 255, 159);  
box-shadow:4px 4px 4px 4px rgb(182, 255,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3094, 83.9683, 45.7770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 255, 159) }
```

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

```
.background{ background-color: rgb(182,  
255, 159) }
```

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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