

Converting Colors

XYZ(63.2567, 84.9961, 44.7852)

Have a look what the booklet for
XYZ(63.2567, 84.9961, 44.7852)
contains.

XYZ(63.3317, 85.0307, 44.9729)	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(63.3317, 85.0307,
44.9729)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFF9D
RGB	191, 255, 157
RGB Percent	75%, 100%, 62%
CMY	0.2510, 0.0000, 0.3843
CMYK	0.25, 0.00, 0.38, 0.00
HSL	99°, 100%, 81%
HSV	99°, 38%, 100%
XYZ	63.3317, 85.0307, 44.9729
YIQ	224.6920, -6.6860, -44.0460

Conversions

Conversions Part 2

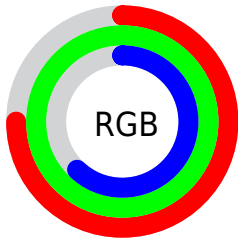
Format	Color
RYB	157, 255, 221
Decimal	12582813
CIELab	93.90, -36.98, 40.53
CIElCh	94, 54.864, 132.374
Yxy	85.0307, 0.3276, 0.4398
Android (android.graphics.Color)	4290772893 (0xFFBFFF9D)
YUV	224.6920, -33.3722, -29.5479
Hunter-Lab	92.2121, -38.7765, 35.6320

Details

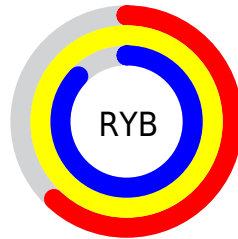
The XYZ color **63.3317, 85.0307, 44.9729** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.9268, 46.7073, 100.4647**, and the grayscale version is **71.5819, 75.3097, 82.0123**.

A 20% lighter version of the original color is **86.8372, 96.4638, 76.9934**, and **32.6844, 46.5385, 20.3569** is the 20% darker color. If you saturate the color by 10%, you get **57.4240, 82.2110, 34.4936**, and if you desaturate by 10%, it is **70.1708, 88.2780, 57.8698**.

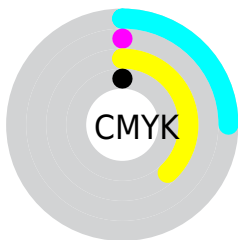
Distribution



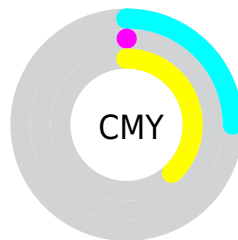
- Red (75%)
- Green (100%)
- Blue (62%)



- Red (62%)
- Yellow (100%)
- Blue (87%)



- Cyan (25%)
- Magenta (0%)
- Yellow (38%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.3317, 85.0307, 44.9729 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 63.3317, 85.0307, 44.9729 by changing the saturation by 10% instead.


 63.3317, 85.0307,
44.9729

 63.3317, 85.0307,
44.9729


426.4129,
511.7296, 382.8207

 46.3693, 63.8667,
31.0933


 108.7270,
140.4161, 83.9978

 32.7432, 46.5428,
20.4108


 137.8906,
175.4063, 109.9801

 22.0881, 32.6743,
12.5070


171.8520,
215.7740, 140.8337

 14.0386, 21.8771,
6.9632

210.9765,
261.9037, 176.9773

 8.2294, 13.7666,
3.3610

255.6295,
314.1797, 218.8292

 4.2951, 7.9585,
1.2818

306.1763,

 1.8704, 4.0684,

372.9864, 266.8080

0.0468

362.9823,
438.7083, 321.3324

■ 0.5595, 1.7119,
0.0000

■ 0.0000, 0.4313,
0.0000

■ 63.3317, 85.0307,
44.9729

■ 63.3317, 85.0307,
44.9729

■ 57.4240, 82.2110,
34.4936

■ 70.1708, 88.2780,
57.8698

■ 52.4021, 79.7988,
26.2772

■ 77.9814, 91.9707,
73.3183

■ 48.2181, 77.7729,
20.1575

■ 86.8022, 96.1258,
91.4471

■ 44.8179, 76.1099,
15.9433

95.0500, 100.0000,
108.9000

■ 42.1401, 74.7827,
13.4088

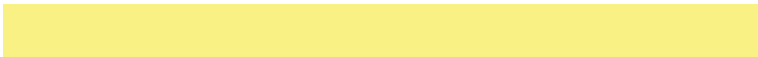
■ 40.1043, 73.7570,
12.2378

■ 39.8288, 73.6176,
12.1104

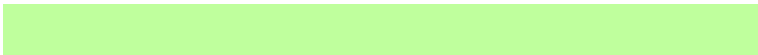
Harmonies

Analogous

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



74.9494, 85.0307, 34.1511



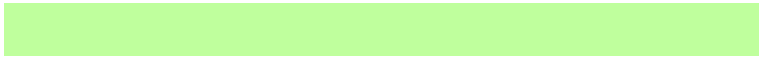
63.3317, 85.0307, 44.9729



56.9011, 85.0307, 70.3044

Triad

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



63.3317, 85.0307, 44.9729



72.6107, 85.0307, 192.3309



111.4688, 85.0307, 76.3965

Complementary

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



63.3317, 85.0307, 44.9729



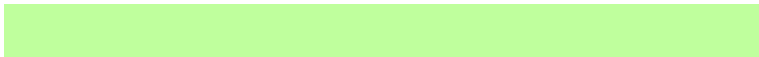
59.9268, 46.7073, 100.4647

Split Complementary

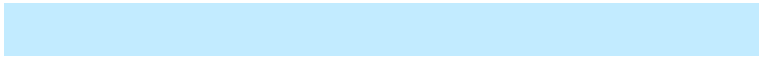
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



110.6457, 85.0307, 119.1338



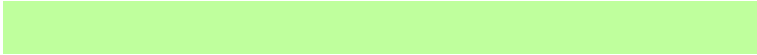
63.3317, 85.0307, 44.9729



86.9876, 85.0307, 195.4526

Square

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



63.3317, 85.0307, 44.9729



61.7979, 85.0307, 158.0538



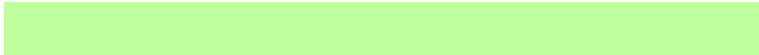
101.2614, 85.0307, 165.6138



103.3906, 85.0307, 48.2701

Rectangle

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



63.3317, 85.0307, 44.9729



55.8830, 85.0307, 95.9559



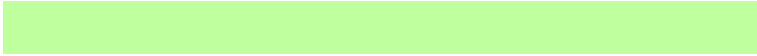
101.2614, 85.0307, 165.6138



112.2491, 85.0307, 89.2920

Sweetspot

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



63.3321, 85.0309, 44.9742



83.5351, 94.5884, 84.6604



73.1036, 75.2495, 42.5712



17.6311, 20.1286, 17.6081



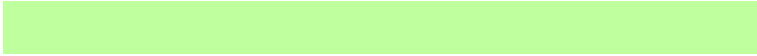
0.0000, 0.0000, 0.0000



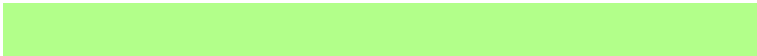
20.3446, 21.4041, 23.3091

Same Dimension

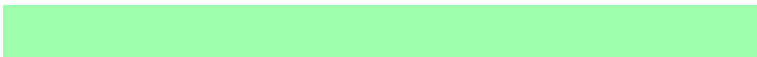
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.3321, 85.0309, 44.9742



58.7765, 82.8580, 36.8264



57.0830, 81.6555, 51.6325



18.3658, 20.4745, 19.1283



20.9558, 38.5412, 6.3347



2.1528, 3.8106, 0.6220

Inverse Universe

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



59.9268, 46.7073, 100.4647



54.9163, 39.6531, 99.3672



69.0703, 51.6840, 89.0079



18.1451, 17.9665, 22.7615



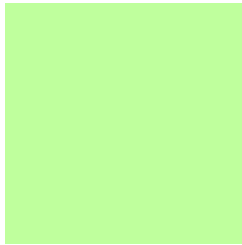
17.8744, 8.1251, 50.0608



1.8582, 0.8519, 4.8798

Previews

White Background



This preview shows how the XYZ color 63.3317, 85.0307, 44.9729 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 63.3317, 85.0307, 44.9729 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

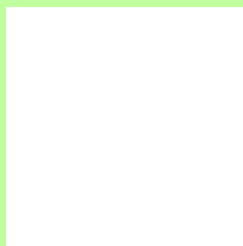
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.3317, 85.0307, 44.9729

Background



This preview shows how black text looks on a background with the XYZ color 63.3317, 85.0307, 44.9729.

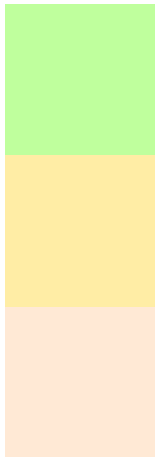


This preview shows how white text looks on a background with the XYZ color 63.3317, 85.0307,

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

63.3317, 85.0307, 44.9729

Protanopia

78.3157, 84.5450, 47.7884

Deuteranopia

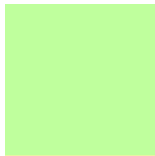
82.3892, 84.3419, 74.8880



Tritanopia

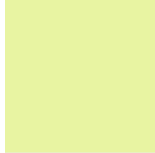
77.8242, 84.7295, 106.8604

Trichromacy



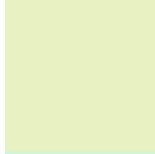
Original Color

63.3317, 85.0307, 44.9729



Protanomaly

72.1510, 84.4658, 46.6832



Deuteranomaly

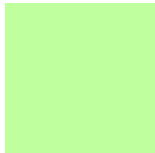
74.3596, 83.9167, 62.7304



Tritanomaly

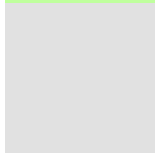
71.4741, 84.2914, 79.5206

Monochromacy



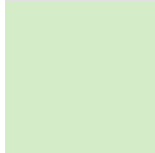
Original Color

63.3317, 85.0307, 44.9729



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

67.8614, 78.3072, 66.1817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.3317, 85.0307, 44.9729 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(191, 255, 157)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 157)  
}
```

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(191, 255, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 157) }
```

Border

The CSS property to change the border of an element to XYZ 63.3317, 85.0307, 44.9729 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(191, 255, 157) }
```


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

```
.border{ border-color:rgb(191, 255, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(191, 255, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(191, 255, 157); box-shadow:4px 4px 4px 4px rgb(191, 255, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 63.3317, 85.0307, 44.9729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 157) }
```

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

```
.background{ background-color: rgb(191,  
255, 157) }
```

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