

Converting Colors

XYZ(63.6754, 84.5983, 51.3233)

Have a look what the booklet for
XYZ(63.6754, 84.5983, 51.3233)
contains.

XYZ(63.7788, 84.6427, 51.5043)	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(63.7788, 84.6427,
51.5043)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFEAB
RGB	189, 254, 171
RGB Percent	74%, 100%, 67%
CMY	0.2588, 0.0039, 0.3294
CMYK	0.26, 0.00, 0.33, 0.00
HSL	107°, 98%, 83%
HSV	107°, 33%, 100%
XYZ	63.7788, 84.6427, 51.5043
YIQ	225.1030, -12.0970, -39.5930

Conversions

Conversions Part 2

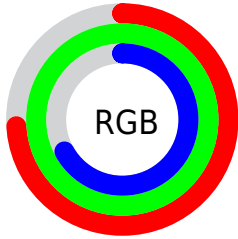
Format	Color
RYB	171, 254, 236
Decimal	12451499
CIELab	93.73, -35.23, 33.36
CIELCh	94, 48.515, 136.565
Yxy	84.6427, 0.3190, 0.4234
Android (android.graphics.Color)	4290641579 (0xFFBDFEAB)
YUV	225.1030, -26.6728, -31.6623
Hunter-Lab	92.0015, -37.2598, 31.2093

Details

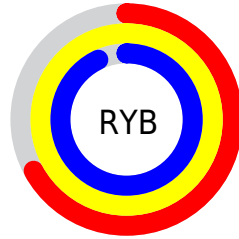
The XYZ color **63.7788, 84.6427, 51.5043** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **67.0480, 54.1170, 100.6822**, and the grayscale version is **71.8360, 75.5771, 82.3034**.

A 20% lighter version of the original color is **87.9829, 96.8402, 86.7279**, and **33.0678, 46.3088, 24.3352** is the 20% darker color. If you saturate the color by 10%, you get **56.9864, 81.3970, 39.7398**, and if you desaturate by 10%, it is **71.7177, 88.4307, 65.7544**.

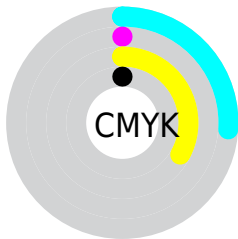
Distribution



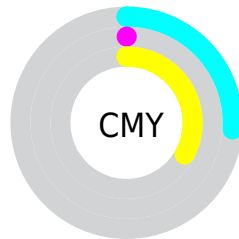
- Red (74%)
- Green (100%)
- Blue (67%)



- Red (67%)
- Yellow (100%)
- Blue (93%)



- Cyan (26%)
- Magenta (0%)
- Yellow (33%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.7788, 84.6427, 51.5043 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 63.7788, 84.6427, 51.5043 by changing the saturation by 10% instead.


 63.7788, 84.6427,
51.5043

 63.7788, 84.6427,
51.5043


428.0053,
510.4450, 409.4223

 46.7326, 63.5462,
36.2306


 109.3678,
139.8739, 93.8189

 33.0313, 46.2832,
24.3212


138.6413,
174.7773, 121.6969

 22.3098, 32.4694,
15.3577


172.7213,
215.0519, 154.6134

 14.2026, 21.7203,
8.9214

211.9730,
261.0819, 192.9869

 8.3443, 13.6515,
4.5938

256.7619,
313.2519, 237.2360

 4.3697, 7.8787,
1.9565


307.4534,


 1.9134, 4.0174,


371.9461, 287.7793


0.5283


364.4127,
437.5490, 345.0352


 0.5846, 1.6833,
0.0000


 0.0000, 0.4128,
0.0000


 63.7788, 84.6427,
51.5043


 63.7788, 84.6427,
51.5043


 56.9864, 81.3970,
39.7398


 71.7177, 88.4307,
65.7544

 51.2798, 78.6578,
30.3133

 80.8470, 92.7733,
82.6153

 46.6025, 76.4021,
23.0700

 91.2161, 97.6958,
102.2106

 42.8899, 74.6002,
17.8344

94.7335, 99.3670,
108.7945

■ 40.0698, 73.2194,
14.4037

■ 38.0579, 72.2216,
12.5326

■ 37.0234, 71.7015,
11.8884

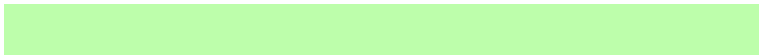
Harmonies

Analogous

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



73.5963, 84.6427, 39.5382



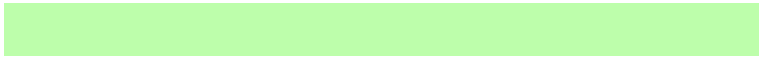
63.7788, 84.6427, 51.5043



58.6935, 84.6427, 76.6506

Triad

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



63.7788, 84.6427, 51.5043



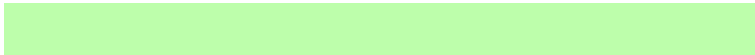
74.8345, 84.6427, 179.7534



106.5890, 84.6427, 73.3887

Complementary

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



63.7788, 84.6427, 51.5043



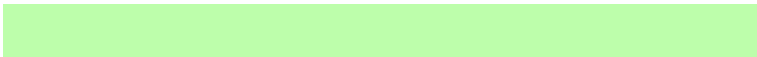
67.0480, 54.1170, 100.6822

Split Complementary

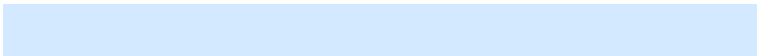
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.0119, 84.6427, 109.6353



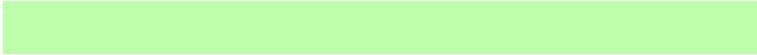
63.7788, 84.6427, 51.5043



87.7172, 84.6427, 178.1927

Square

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



63.7788, 84.6427, 51.5043



64.6016, 84.6427, 153.8300



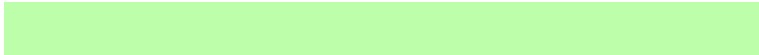
99.8000, 84.6427, 150.0076



98.6998, 84.6427, 49.6680

Rectangle

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



63.7788, 84.6427, 51.5043



58.2771, 84.6427, 100.5083



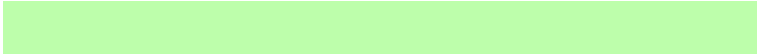
99.8000, 84.6427, 150.0076



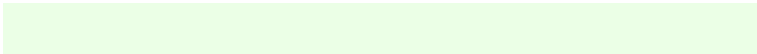
107.6361, 84.6427, 84.2901

Sweetspot

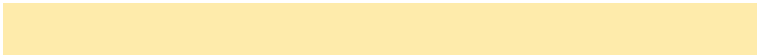
The Sweet Spot groups the original color and five complimentary colors.



63.7810, 84.6463, 51.5062



84.2435, 94.8723, 88.3674



77.8307, 83.2218, 50.4907



17.7284, 20.1626, 18.3451



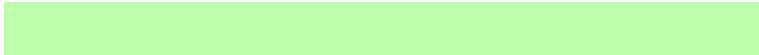
0.0000, 0.0000, 0.0000



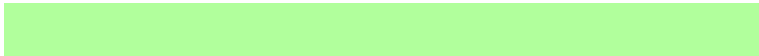
20.3446, 21.4041, 23.3091

Same Dimension

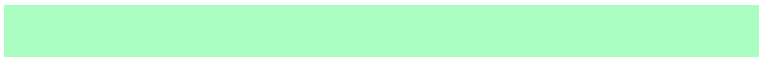
The Same Dimension uses a secret algorithm to generate beautiful new colors.



63.7810, 84.6463, 51.5062



59.8804, 83.2657, 44.1689



61.8796, 83.4016, 63.3688



18.1397, 20.3579, 19.1177



19.6187, 37.8519, 6.2721



1.9977, 3.7306, 0.6148

Inverse Universe

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



67.0480, 54.1170, 100.6822



63.6096, 48.2431, 100.5670



69.9856, 56.0175, 83.3719



18.3846, 18.0900, 22.7727



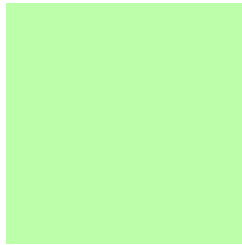
21.9686, 10.2357, 50.2524



2.2301, 1.0436, 4.8972

Previews

White Background



This preview shows how the XYZ color 63.7788, 84.6427, 51.5043 looks on a white background.

Color Contrast Check

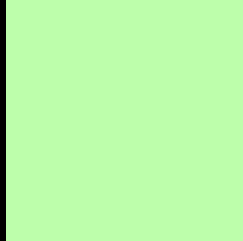
Large Text (above 18pt) WCAG AA × Fail

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 63.7788, 84.6427, 51.5043 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

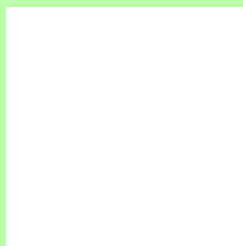
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.7788, 84.6427, 51.5043

Background



This preview shows how black text looks on a background with the XYZ color 63.7788, 84.6427, 51.5043.

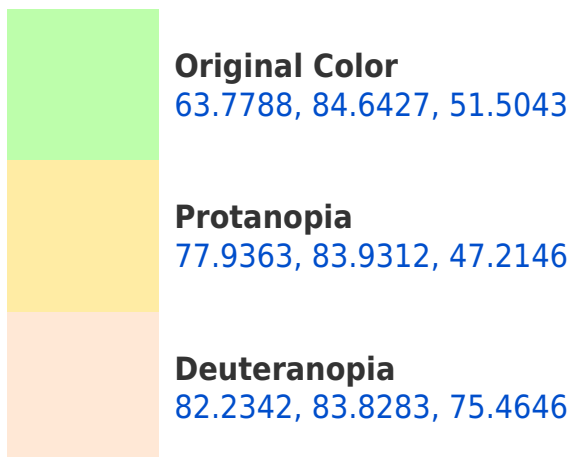


This preview shows how white text looks on a background with the XYZ color 63.7788, 84.6427,

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





Tritanopia

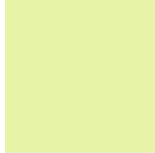
77.2369, 84.4267, 106.8329

Trichromacy



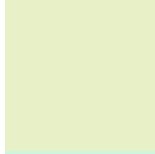
Original Color

63.7788, 84.6427, 51.5043



Protanomaly

71.9806, 83.8801, 48.9559



Deuteranomaly

74.3081, 83.3863, 65.6048



Tritanomaly

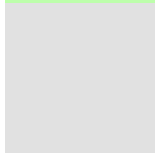
71.5872, 84.2725, 83.0142

Monochromacy



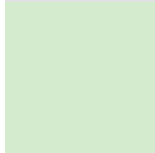
Original Color

63.7788, 84.6427, 51.5043



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.1663, 78.3957, 69.2968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.7788, 84.6427, 51.5043 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, 254, 171)` looks like.

```
.text, #text, p{  
    color:rgb(189, 254, 171)  
}
```

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, 254, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 254, 171) }
```

Border

The CSS property to change the border of an element to XYZ 63.7788, 84.6427, 51.5043 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, 254, 171) }
```


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

```
.border{ border-color:rgb(189, 254, 171) }
```

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

Here you see how a box with a 4 pixel rgb(189, 254, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 254, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 254, 171);  
box-shadow:4px 4px 4px 4px rgb(189, 254,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 63.7788, 84.6427, 51.5043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 254, 171) }
```

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

```
.background{ background-color: rgb(189,  
254, 171) }
```

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