

Converting Colors

XYZ(81.5742, 123.5483,
42.7852)

Have a look what the booklet for
XYZ(81.5742, 123.5483, 42.7852)
contains.

XYZ(62.1963, 84.6350, 36.3507)	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(62.1963, 84.6350,
36.3507)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FF88
RGB	193, 255, 136
RGB Percent	76%, 100%, 53%
CMY	0.2431, 0.0000, 0.4667
CMYK	0.24, 0.00, 0.47, 0.00
HSL	91°, 100%, 77%
HSV	91°, 47%, 100%
XYZ	62.1963, 84.6350, 36.3507
YIQ	222.8960, 1.2470, -50.1530

Conversions

Conversions Part 2

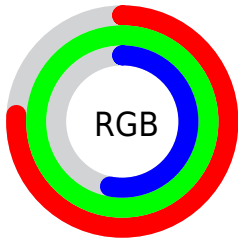
Format	Color
RYB	136, 255, 198
Decimal	12713864
CIELab	93.73, -38.87, 50.44
CIElCh	94, 63.676, 127.617
Yxy	84.6350, 0.3395, 0.4620
Android (android.graphics.Color)	4290903944 (0xFFC1FF88)
YUV	222.8960, -42.8397, -26.2188
Hunter-Lab	91.9973, -40.3173, 40.9710

Details

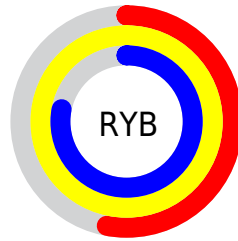
The XYZ color **62.1963, 84.6350, 36.3507** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **50.1441, 36.8355, 99.0748**, and the grayscale version is **70.3591, 74.0233, 80.6113**.

A 20% lighter version of the original color is **84.9476, 95.7908, 63.3025**, and **32.0719, 46.3311, 15.4360** is the 20% darker color. If you saturate the color by 10%, you get **57.3580, 82.3259, 27.7634**, and if you desaturate by 10%, it is **67.7707, 87.2739, 47.2251**.

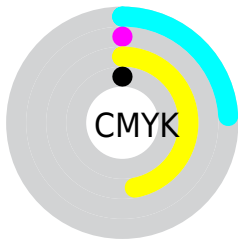
Distribution



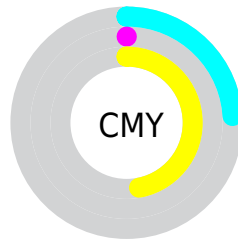
- Red (76%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (78%)



- Cyan (24%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (24%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.1963, 84.6350, 36.3507 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 62.1963, 84.6350, 36.3507 by changing the saturation by 10% instead.

 62.1963, 84.6350,
36.3507

 62.1963, 84.6350,
36.3507


422.3529,
510.4195, 345.5745


 45.4475, 63.5398,
24.4133


 107.0975,
139.8631, 70.7481

 32.0129, 46.2781,
15.4255


 135.9807,
174.7648, 94.0453

 21.5269, 32.4653,
8.9686


 169.6394,
215.0375, 121.9662

 13.6244, 21.7172,
4.6242

208.4389,
261.0656, 154.9292

 7.9398, 13.6492,
1.9736

252.7447,
313.2335, 193.3530

 4.1079, 7.8771,
0.5390

302.9221,

 1.7634, 4.0164,

371.9255, 237.6562

0.0000

359.3363,
437.5260, 288.2571

■ 0.4955, 1.6827,
0.0000

■ 0.0000, 0.4124,
0.0000

■ 62.1963, 84.6350,
36.3507

■ 62.1963, 84.6350,
36.3507

■ 57.3580, 82.3259,
27.7634

■ 67.7707, 87.2739,
47.2251

■ 53.2157, 80.3293,
21.2954

■ 74.1160, 90.2570,
60.5307

■ 49.7263, 78.6272,
16.7622

■ 81.2654, 93.5987,
76.4041

■ 46.8398, 77.1985,
13.9457

■ 89.2499, 97.3122,
94.9707

■ 44.4952, 76.0178, 95.0500, 100.0000,
12.5719 108.9000

■ 43.8059, 75.6678,
12.2965

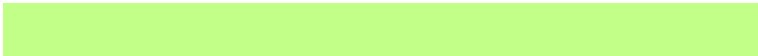
Harmonies

Analogous

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



76.2128, 84.6350, 27.2702



62.1963, 84.6350, 36.3507



53.9848, 84.6350, 61.0668

Triad

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



62.1963, 84.6350, 36.3507



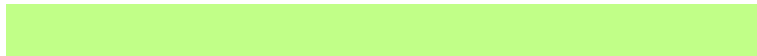
68.6940, 84.6350, 207.7504



117.1360, 84.6350, 80.3613

Complementary

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



62.1963, 84.6350, 36.3507



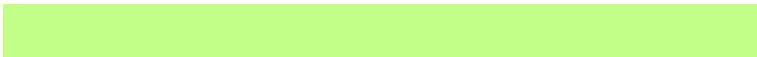
50.1441, 36.8355, 99.0748

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.



114.3814, 84.6350, 132.3226



62.1963, 84.6350, 36.3507



84.8270, 84.6350, 218.5750

Square

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



62.1963, 84.6350, 36.3507



57.3537, 84.6350, 161.4176



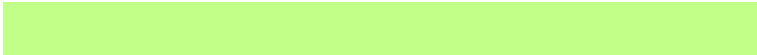
101.9492, 84.6350, 187.2579



109.0217, 84.6350, 46.2258

Rectangle

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



62.1963, 84.6350, 36.3507



52.1512, 84.6350, 88.3379



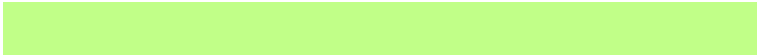
101.9492, 84.6350, 187.2579



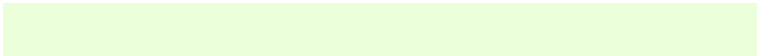
117.4685, 84.6350, 96.0767

Sweetspot

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



62.1966, 84.6352, 36.3519



83.3106, 94.5516, 81.0844



65.7607, 63.1908, 32.0249



17.4765, 20.0724, 16.5413



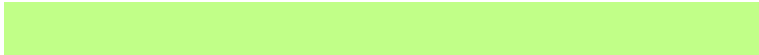
0.0000, 0.0000, 0.0000



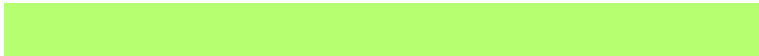
20.3446, 21.4041, 23.3091

Same Dimension

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



62.1966, 84.6352, 36.3519



57.6578, 82.4696, 28.2670



50.5004, 78.5891, 36.5473



18.5994, 20.5949, 19.1393



23.0596, 39.6258, 6.4332



2.3705, 3.9228, 0.6322

Inverse Universe

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



50.1441, 36.8355, 99.0748



44.2624, 29.3671, 97.9433



67.7769, 45.9622, 98.2418



17.9061, 17.8433, 22.7503



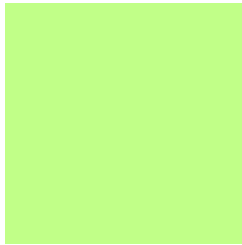
14.6479, 6.4617, 49.9098



1.5524, 0.6942, 4.8654

Previews

White Background



This preview shows how the XYZ color 62.1963, 84.6350, 36.3507 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 62.1963, 84.6350, 36.3507 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

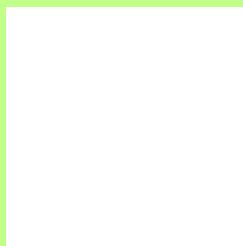
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 62.1963, 84.6350, 36.3507

Background



This preview shows how black text looks on a background with the XYZ color 62.1963, 84.6350, 36.3507.

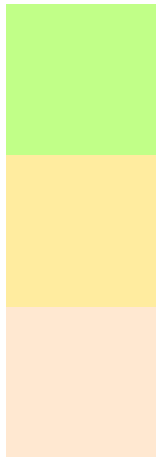


This preview shows how white text looks on a background with the XYZ color 62.1963, 84.6350,

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

62.1963, 84.6350, 36.3507

Protanopia

77.4935, 83.7541, 44.8827

Deuteranopia

81.6052, 83.5767, 72.1525



Tritanopia

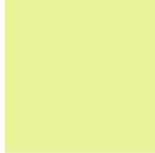
77.8254, 84.2919, 106.7759

Trichromacy



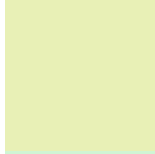
Original Color

62.1963, 84.6350, 36.3507



Protanomaly

70.9152, 83.4914, 41.6560



Deuteranomaly

72.8823, 82.8534, 56.4070



Tritanomaly

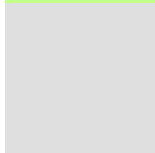
70.5485, 83.4682, 74.6800

Monochromacy



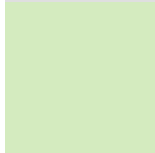
Original Color

62.1963, 84.6350, 36.3507



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

66.2637, 77.1753, 60.6941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.1963, 84.6350, 36.3507 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(193, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(193, 255, 136)  
}
```

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(193, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 62.1963, 84.6350, 36.3507 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(193, 255, 136) }
```


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

```
.border{ border-color:rgb(193, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(193, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 62.1963, 84.6350, 36.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 255, 136) }
```

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

```
.background{ background-color: rgb(193,  
255, 136) }
```

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