

Converting Colors

XYZ(71.7523, 93.6307, 61.1679)

Have a look what the booklet for
XYZ(71.7523, 93.6307, 61.1679)
contains.

XYZ(68.8170, 87.5254, 60.2808)	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(68.8170, 87.5254,
60.2808)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FFBB
RGB	201, 255, 187
RGB Percent	79%, 100%, 73%
CMY	0.2118, 0.0000, 0.2667
CMYK	0.21, 0.00, 0.27, 0.00
HSL	108°, 100%, 87%
HSV	108°, 27%, 100%
XYZ	68.8170, 87.5254, 60.2808
YIQ	231.1020, -10.3560, -32.5960

Conversions

Conversions Part 2

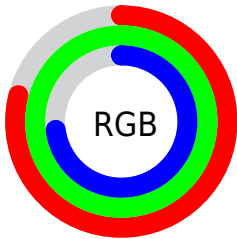
Format	Color
RYB	187, 255, 241
Decimal	13238203
CIELab	94.96, -29.30, 27.09
CIELCh	95, 39.906, 137.250
Yxy	87.5254, 0.3177, 0.4040
Android (android.graphics.Color)	4291428283 (0xFFC9FFBB)
YUV	231.1020, -21.7423, -26.3995
Hunter-Lab	93.5550, -32.4206, 27.2859

Details

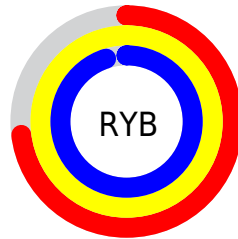
The XYZ color **68.8170, 87.5254, 60.2808** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.0970, 61.4627, 102.6713**, and the grayscale version is **76.1934, 80.1614, 87.2957**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **36.2818, 48.1926, 29.5802** is the 20% darker color. If you saturate the color by 10%, you get **61.2350, 83.9046, 46.9188**, and if you desaturate by 10%, it is **77.6025, 91.7105, 76.2320**.

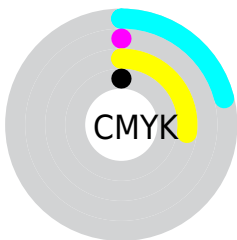
Distribution



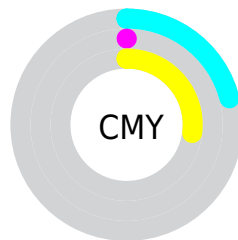
- Red (79%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (95%)



- Cyan (21%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.8170, 87.5254, 60.2808 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 68.8170, 87.5254, 60.2808 by changing the saturation by 10% instead.


 68.8170, 87.5254,
60.2808

 68.8170, 87.5254,
60.2808


445.7168,
519.9478, 443.4654

 50.8388, 65.9301,
43.2182


 116.5557,
143.8962, 106.7843

 36.3008, 48.2157,
29.7237


147.0468,
179.4405, 137.0622

 24.8378, 33.9977,
19.3787

182.4397,
220.4033, 172.5824

 16.0844, 22.8918,
11.7647

223.0996,
267.1689, 213.7633

 9.6751, 14.5137,
6.4631

269.3919,
320.1218, 261.0235

 5.2447, 8.4788,
3.0553

321.6819,

 2.4278, 4.4028,

379.6463, 314.7816

1.1230

380.3351,
446.1268, 375.4560

■ 0.8590, 1.9013,
0.0000

■ 0.0000, 0.5492,
0.0000

■ 68.8170, 87.5254,
60.2808

■ 68.8170, 87.5254,
60.2808

■ 61.2350, 83.9046,
46.9188

■ 77.6025, 91.7105,
76.2320

■ 54.8014, 80.8228,
36.0055

■ 87.6401, 96.4824,
94.8946

■ 49.4592, 78.2539,
27.3934

95.0500, 100.0000,
108.9000

■ 45.1454, 76.1689,
20.9175

■ 41.7903, 74.5360,
16.3906

■ 39.3148, 73.3192,
13.5935

■ 37.6249, 72.4760,
12.2504

■ 37.2018, 72.2633,
11.9875

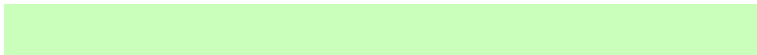
Harmonies

Analogous

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



77.1667, 87.5254, 48.9390



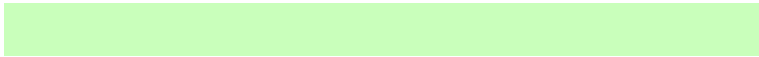
68.8170, 87.5254, 60.2808



64.4885, 87.5254, 82.7357

Triad

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



68.8170, 87.5254, 60.2808



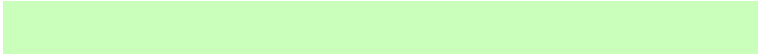
78.6789, 87.5254, 166.1019



104.7034, 87.5254, 78.6867

Complementary

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



68.8170, 87.5254, 60.2808



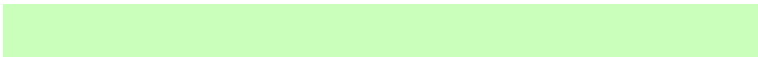
72.0970, 61.4627, 102.6713

Split Complementary

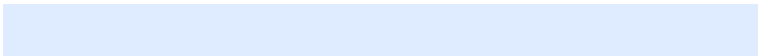
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.1976, 87.5254, 109.0765



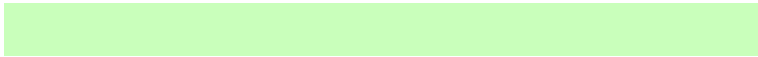
68.8170, 87.5254, 60.2808



89.5194, 87.5254, 164.3525

Square

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



68.8170, 87.5254, 60.2808



69.8410, 87.5254, 146.1428



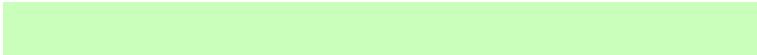
99.4373, 87.5254, 141.7830



98.1406, 87.5254, 57.8733

Rectangle

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



68.8170, 87.5254, 60.2808



64.1962, 87.5254, 103.0266



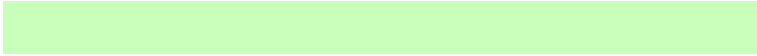
99.4373, 87.5254, 141.7830



105.6038, 87.5254, 87.9703

Sweetspot

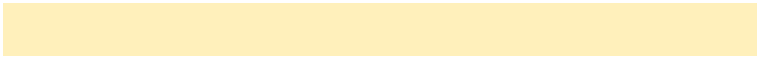
The Sweet Spot groups the original color and five complimentary colors.



68.8175, 87.5256, 60.2821



86.2266, 95.8109, 92.2433



81.4487, 87.3256, 59.5778



18.1208, 20.3482, 19.1169



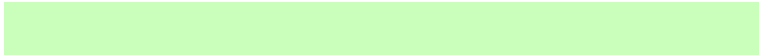
0.0000, 0.0000, 0.0000



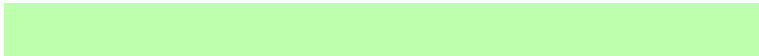
20.3446, 21.4041, 23.3091

Same Dimension

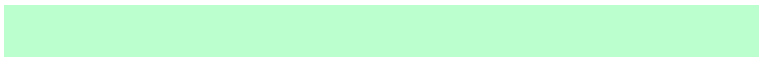
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.8175, 87.5256, 60.2821



64.6264, 85.5254, 52.8403



67.4273, 86.5544, 71.7165



18.1208, 20.3482, 19.1169



19.5362, 37.8094, 6.2683



1.9871, 3.7252, 0.6143

Inverse Universe

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



72.0970, 61.4627, 102.6713



68.3980, 55.4728, 101.7101



74.1125, 62.8423, 87.3780



18.4049, 18.1005, 22.7736



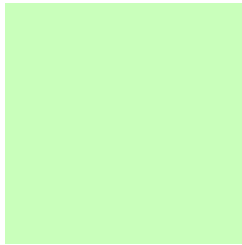
22.3576, 10.4363, 50.2706



2.2648, 1.0615, 4.8988

Previews

White Background



This preview shows how the XYZ color 68.8170, 87.5254, 60.2808 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 68.8170, 87.5254, 60.2808 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

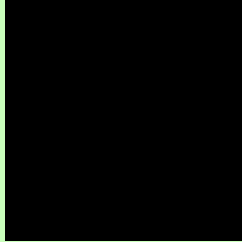
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 68.8170, 87.5254, 60.2808

Background



This preview shows how black text looks on a background with the XYZ color 68.8170, 87.5254, 60.2808.



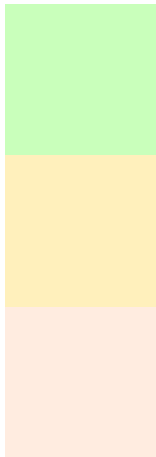
This preview shows how white text looks on a background with the XYZ color 68.8170, 87.5254,

60.2808.

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

68.8170, 87.5254, 60.2808

Protanopia

81.4772, 87.2110, 60.1161

Deuteranopia

84.6900, 86.6327, 82.7792



Tritanopia

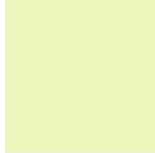
81.1519, 87.3287, 107.1867

Trichromacy



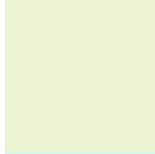
Original Color

68.8170, 87.5254, 60.2808



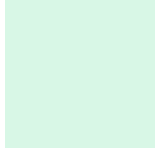
Protanomaly

75.9905, 86.5978, 60.2869



Deuteranomaly

78.0694, 86.4665, 74.2030



Tritanomaly

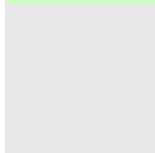
75.8626, 86.8336, 87.6251

Monochromacy



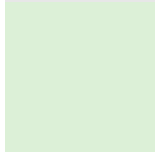
Original Color

68.8170, 87.5254, 60.2808



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

72.9410, 82.4421, 76.3585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.8170, 87.5254, 60.2808 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(201, 255, 187)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 187) }
```

Border

The CSS property to change the border of an element to XYZ 68.8170, 87.5254, 60.2808 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(201, 255, 187) }
```


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

```
.border{ border-color:rgb(201, 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(201, 255, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 68.8170, 87.5254, 60.2808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 187) }
```

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

```
.background{ background-color: rgb(201,  
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](#).

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