

Converting Colors

XYZ(66.4102, 100.0000,
26.5434)

Have a look what the booklet for
XYZ(66.4102, 100.0000, 26.5434)
contains.

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Color

**XYZ(57.8331, 82.6605,
23.7334)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FF5F
RGB	185, 255, 95
RGB Percent	73%, 100%, 37%
CMY	0.2745, 0.0000, 0.6274
CMYK	0.27, 0.00, 0.63, 0.00
HSL	86°, 100%, 69%
HSV	86°, 63%, 100%
XYZ	57.8331, 82.6605, 23.7334
YIQ	215.8300, 9.6400, -64.6000

Conversions

Conversions Part 2

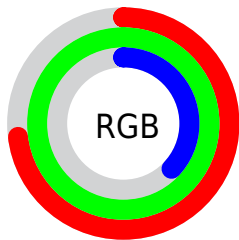
Format	Color
RYB	95, 255, 165
Decimal	12189535
CIELab	92.87, -45.56, 67.34
CIElCh	93, 81.299, 124.081
Yxy	82.6605, 0.3522, 0.5033
Android (android.graphics.Color)	4290379615 (0xFFB9FF5F)
YUV	215.8300, -59.5692, -27.0379
Hunter-Lab	90.9178, -45.5618, 48.1653

Details

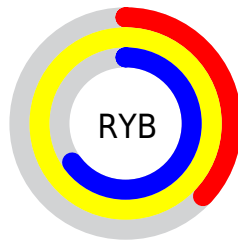
The XYZ color **57.8331, 82.6605, 23.7334** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **37.6608, 23.4052, 97.1405**, and the grayscale version is **65.5425, 68.9558, 75.0928**.

A 20% lighter version of the original color is **78.6541, 92.9875, 43.0810**, and **29.2352, 45.0157, 8.6614** is the 20% darker color. If you saturate the color by 10%, you get **54.2705, 80.9366, 18.4747**, and if you desaturate by 10%, it is **61.9865, 84.6451, 31.0015**.

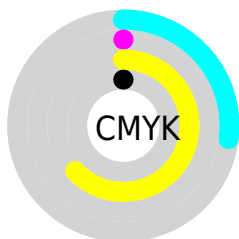
Distribution



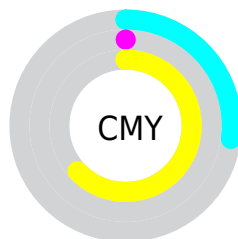
- Red (73%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (65%)



- Cyan (27%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.8331, 82.6605, 23.7334 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 57.8331, 82.6605, 23.7334 by changing the saturation by 10% instead.


 57.8331, 82.6605,
23.7334

 57.8331, 82.6605,
23.7334


406.5276,
503.8544, 284.7129


 41.9172, 61.9101,
14.9256


 100.8041,
137.0999, 50.5332


 29.2273, 44.9601,
8.6211


 128.5900,
171.5576, 69.3622

 19.3980, 31.4260,
4.4015


 161.0633,
211.3533, 92.3688

 12.0639, 20.9234,
1.8481

 198.5892,
256.8713, 119.9713

 6.8597, 13.0680,
0.4594

241.5333,
308.4960, 152.5885

 3.4201, 7.4754,
0.0000

290.2608,

 1.3796, 3.7612,

366.6118, 190.6388

0.0000

345.1372,
431.6032, 234.5407

■ 0.2416, 1.5409,
0.0000

■ 0.0000, 0.3172,
0.0000

■ 57.8331, 82.6605,
23.7334

■ 57.8331, 82.6605,
23.7334

■ 54.2705, 80.9366,
18.4747

■ 61.9865, 84.6451,
31.0015

■ 51.2548, 79.4553,
15.0184

■ 66.7683, 86.9060,
40.4516

■ 48.7344, 78.1954,
13.1188

■ 72.2130, 89.4575,
52.2419

■ 47.1629, 77.3984,
12.4536

■ 78.3519, 92.3127,
66.5148

■ 85.2142, 95.4836,
83.4015

■ 92.8270, 98.9818,
103.0238

95.0500, 100.0000,
108.9000

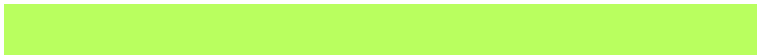
Harmonies

Analogous

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



75.6958, 82.6605, 16.4901



57.8331, 82.6605, 23.7334



47.2641, 82.6605, 47.9517

Triad

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



57.8331, 82.6605, 23.7334



62.0347, 82.6605, 241.4882



126.7430, 82.6605, 81.9339

Complementary

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



57.8331, 82.6605, 23.7334



37.6608, 23.4052, 97.1405

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.



121.3150, 82.6605, 151.4105



57.8331, 82.6605, 23.7334



81.5086, 82.6605, 264.3133

Square

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



57.8331, 82.6605, 23.7334



49.3656, 82.6605, 172.7313



103.7427, 82.6605, 225.7706



117.4737, 82.6605, 39.0876

Rectangle

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



57.8331, 82.6605, 23.7334



44.5460, 82.6605, 78.4740



103.7427, 82.6605, 225.7706



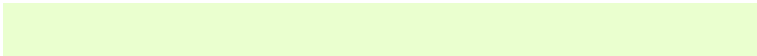
126.5860, 82.6605, 102.6097

Sweetspot

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



57.8333, 82.6605, 23.7346



80.8344, 93.4620, 72.5230



56.6415, 48.7577, 17.2535



16.8939, 19.8159, 14.5331



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.



57.8333, 82.6605, 23.7346



53.5438, 80.5818, 17.5451



43.7306, 75.3904, 23.0746



18.7492, 20.6721, 19.1463



24.8182, 40.5323, 6.5155



2.5419, 4.0112, 0.6403

Inverse Universe

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



37.6608, 23.4052, 97.1405



31.9783, 17.1011, 96.2231



59.5668, 34.6981, 98.1656



17.7571, 17.7665, 22.7433



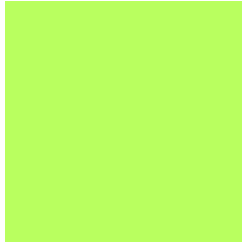
13.0586, 5.6425, 49.8354



1.3942, 0.6127, 4.8580

Previews

White Background



This preview shows how the XYZ color 57.8331, 82.6605, 23.7334 looks on a white background.

Color Contrast Check

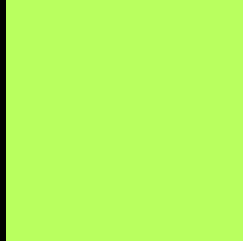
Large Text (above 18pt) WCAG AA × Fail

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 57.8331, 82.6605, 23.7334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

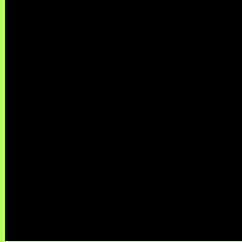
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.8331, 82.6605, 23.7334

Background



This preview shows how black text looks on a background with the XYZ color 57.8331, 82.6605, 23.7334.



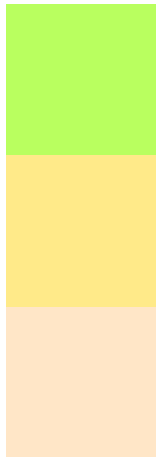
This preview shows how white text looks on a background with the XYZ color 57.8331, 82.6605,

23.7334.

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

57.8331, 82.6605, 23.7334

Protanopia

75.1782, 81.9118, 35.5152

Deuteranopia

79.8456, 81.9771, 65.6477



Tritanopia

75.2029, 82.0707, 106.4854

Trichromacy



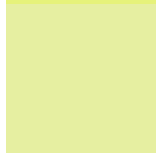
Original Color

57.8331, 82.6605, 23.7334



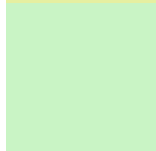
Protanomaly

67.8981, 81.7324, 30.6097



Deuteranomaly

69.9327, 81.1292, 45.6919



Tritanomaly

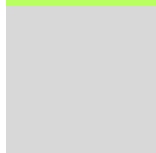
66.5161, 81.1501, 64.9811

Monochromacy



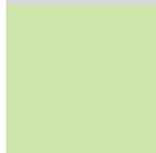
Original Color

57.8331, 82.6605, 23.7334



Achromatopsia

65.2694, 68.6685, 74.7800



Achromatomaly

60.9200, 72.5513, 49.8227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.8331, 82.6605, 23.7334 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(185, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(185, 255, 95)  
}
```

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(185, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 255, 95) }
```

Border

The CSS property to change the border of an element to XYZ 57.8331, 82.6605, 23.7334 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(185, 255, 95) }
```


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

```
.border{ border-color:rgb(185, 255, 95) }
```

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

Here you see how a box with a 4 pixel rgb(185, 255, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(185, 255,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 57.8331, 82.6605, 23.7334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 255, 95) }
```

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

```
.background{ background-color: rgb(185,  
255, 95) }
```

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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