

Converting Colors

XYZ(65.2769, 96.4025, 27.5339)

Have a look what the booklet for
XYZ(65.2769, 96.4025, 27.5339)
contains.

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Color

**XYZ(58.6025, 83.0244,
25.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	BBFF65
RGB	187, 255, 101
RGB Percent	73%, 100%, 40%
CMY	0.2667, 0.0000, 0.6039
CMYK	0.27, 0.00, 0.60, 0.00
HSL	86°, 100%, 70%
HSV	86°, 60%, 100%
XYZ	58.6025, 83.0244, 25.2486
YIQ	217.1120, 8.9060, -62.3100

Conversions

Conversions Part 2

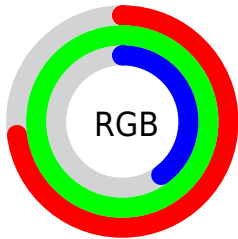
Format	Color
RYB	101, 255, 169
Decimal	12320613
CIELab	93.03, -44.37, 65.10
CIElCh	93, 78.786, 124.279
Yxy	83.0244, 0.3512, 0.4975
Android (android.graphics.Color)	4290510693 (0xFFBBFF65)
YUV	217.1120, -57.2432, -26.4082
Hunter-Lab	91.1177, -44.6535, 47.3532

Details

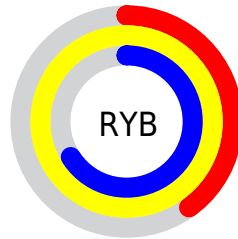
The XYZ color **58.6025, 83.0244, 25.2486** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **39.0674, 24.9639, 97.3672**, and the grayscale version is **66.4059, 69.8642, 76.0821**.

A 20% lighter version of the original color is **79.8518, 93.5472, 45.7461**, and **29.6834, 45.2297, 9.4512** is the 20% darker color. If you saturate the color by 10%, you get **54.8930, 81.2347, 19.5343**, and if you desaturate by 10%, it is **62.9159, 85.0805, 33.0161**.

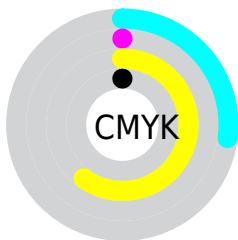
Distribution



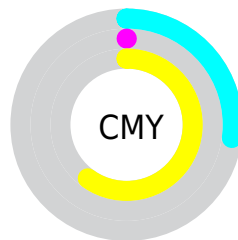
- Red (73%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (66%)



- Cyan (27%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (27%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.6025, 83.0244, 25.2486 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 58.6025, 83.0244, 25.2486 by changing the saturation by 10% instead.


 58.6025, 83.0244,
25.2486

 58.6025, 83.0244,
25.2486


409.3450,
505.0678, 292.5609

 42.5384, 62.2103,
16.0417

 101.9177,
137.6096, 53.0294


 29.7160, 45.2026,
9.3990


 129.8994,
172.1495, 72.4402

 19.7701, 31.6171,
4.9020

 162.5843,
212.0335, 96.0895

 12.3354, 21.0692,
2.1321

 200.3379,
257.6459, 124.3958

 7.0463, 13.1746,
0.6348

243.5253,
309.3711, 157.7775

 3.5377, 7.5489,
0.0000

292.5121,

 1.4441, 3.8077,

367.5936, 196.6532

0.0000

347.6636,
432.6977, 241.4415

■ 0.2873, 1.5666,
0.0000

■ 0.0000, 0.3349,
0.0000

■ 58.6025, 83.0244,
25.2486

■ 58.6025, 83.0244,
25.2486

■ 54.8930, 81.2347,
19.5343

■ 62.9159, 85.0805,
33.0161

■ 51.7448, 79.6940,
15.6734


■ 67.8698, 87.4185,
43.0042

■ 49.1085, 78.3818,
13.4328

■ 73.4981, 90.0522,
55.3673

■ 46.9839, 77.3061,
12.4453

■ 79.8319, 92.9946,
70.2451

 86.8997, 96.2577,
87.7662

94.7287, 99.8528,
108.0507

95.0500, 100.0000,
108.9000

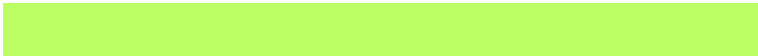
Harmonies

Analogous

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



75.9878, 83.0244, 17.8243



58.6025, 83.0244, 25.2486



48.2840, 83.0244, 49.4977

Triad

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



58.6025, 83.0244, 25.2486



62.9101, 83.0244, 236.3410



125.4770, 83.0244, 82.1810

Complementary

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



58.6025, 83.0244, 25.2486



39.0674, 24.9639, 97.3672

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.



120.3420, 83.0244, 149.2478



58.6025, 83.0244, 25.2486



81.9107, 83.0244, 257.7283

Square

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



58.6025, 83.0244, 25.2486



50.4499, 83.0244, 170.7220



103.4435, 83.0244, 220.6086



116.4611, 83.0244, 40.3028

Rectangle

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



58.6025, 83.0244, 25.2486



45.6419, 83.0244, 79.5351



103.4435, 83.0244, 220.6086



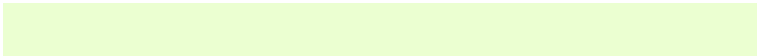
125.3585, 83.0244, 102.2107

Sweetspot

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



58.6027, 83.0245, 25.2498



81.4535, 93.7450, 74.1881



57.5431, 50.1076, 18.9520



17.0130, 19.8703, 14.8562



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.



58.6027, 83.0245, 25.2498



54.3495, 80.9704, 18.7931



44.6989, 75.8568, 24.5991



18.7419, 20.6684, 19.1459



24.7246, 40.4841, 6.5111



2.5330, 4.0066, 0.6398

Inverse Universe

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



39.0674, 24.9639, 97.3672



33.3663, 18.4986, 96.4197



60.2675, 35.8929, 98.3593



17.7643, 17.7702, 22.7437



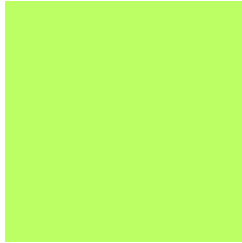
13.1282, 5.6783, 49.8387



1.4013, 0.6163, 4.8584

Previews

White Background



This preview shows how the XYZ color 58.6025, 83.0244, 25.2486 looks on a white background.

Color Contrast Check

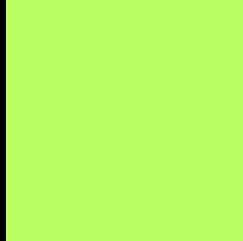
Large Text (above 18pt) WCAG AA × Fail

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 58.6025, 83.0244, 25.2486 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

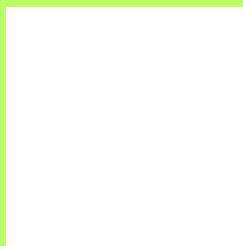
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.6025, 83.0244, 25.2486

Background



This preview shows how black text looks on a background with the XYZ color 58.6025, 83.0244, 25.2486.



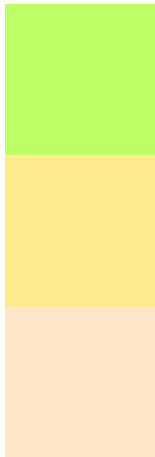
This preview shows how white text looks on a background with the XYZ color 58.6025, 83.0244,

25.2486.

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

58.6025, 83.0244, 25.2486

Protanopia

75.4705, 82.0287, 37.0547

Deuteranopia

80.0794, 82.0707, 66.8789



Tritanopia

75.7759, 82.3661, 106.5122

Trichromacy



Original Color

58.6025, 83.0244, 25.2486



Protanomaly

68.1512, 81.8336, 31.9422



Deuteranomaly

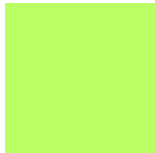
70.2912, 81.2726, 47.5798



Tritanomaly

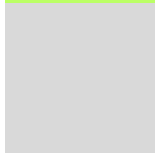
67.2881, 81.5214, 66.2216

Monochromacy



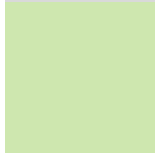
Original Color

58.6025, 83.0244, 25.2486



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.7674, 73.3688, 51.4635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.6025, 83.0244, 25.2486 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(187, 255, 101)` looks like.

```
.text, #text, p{  
    color:rgb(187, 255, 101)  
}
```

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(187, 255, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 255, 101) }
```

Border

The CSS property to change the border of an element to XYZ 58.6025, 83.0244, 25.2486 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(187, 255, 101) }
```


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

```
.border{ border-color:rgb(187, 255, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 255, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 255, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 255, 101);  
box-shadow:4px 4px 4px 4px rgb(187, 255,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 58.6025, 83.0244, 25.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 255, 101) }
```

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

```
.background{ background-color: rgb(187,  
255, 101) }
```

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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