

Converting Colors

XYZ(59.8149, 81.7797, 24.8419)

Have a look what the booklet for
XYZ(59.8149, 81.7797, 24.8419)
contains.

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Color

**XYZ(59.8721, 81.8043,
24.9461)**

Conversions

Conversions Part 1

Format	Color
Hex	C5FB65
RGB	197, 251, 101
RGB Percent	77%, 98%, 40%
CMY	0.2275, 0.0157, 0.6039
CMYK	0.22, 0.00, 0.60, 0.02
HSL	82°, 95%, 69%
HSV	82°, 60%, 98%
XYZ	59.8721, 81.8043, 24.9461
YIQ	217.7540, 15.9660, -58.0980

Conversions

Conversions Part 2

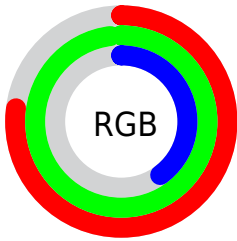
Format	Color
RYB	101, 251, 155
Decimal	12974949
CIELab	92.49, -39.01, 64.67
CIELCh	92, 75.524, 121.099
Yxy	81.8043, 0.3593, 0.4910
Android (android.graphics.Color)	4291165029 (0xFFC5FB65)
YUV	217.7540, -57.5597, -18.2013
Hunter-Lab	90.4457, -40.1189, 46.9591

Details

The XYZ color **59.8721, 81.8043, 24.9461** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **35.5872, 23.2432, 93.8823**, and the grayscale version is **66.8493, 70.3307, 76.5901**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **30.5430, 44.3334, 9.2329** is the 20% darker color. If you saturate the color by 10%, you get **56.5300, 80.2051, 19.3216**, and if you desaturate by 10%, it is **63.7355, 83.6341, 32.5580**.

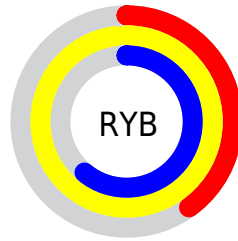
Distribution



Red (77%)

Green (98%)

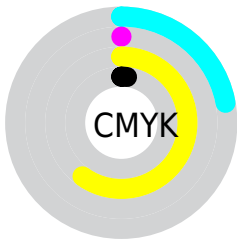
Blue (40%)



Red (40%)

Yellow (98%)

Blue (61%)

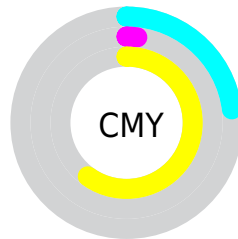


Cyan (22%)

Magenta (0%)

Yellow (60%)

Black (2%)



Cyan (23%)


Magenta (2%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8721, 81.8043, 24.9461 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 59.8721, 81.8043, 24.9461 by changing the saturation by 10% instead.


 59.8721, 81.8043,
24.9461

 59.8721, 81.8043,
24.9461


413.9685,
500.9928, 291.0085

 43.5646, 61.2042,
15.8182


 103.7515,
135.8995, 52.5328


 30.5248, 44.3900,
9.2427


 132.0542,
170.1635, 71.8287

 20.3873, 30.9772,
4.8008


 165.0859,
209.7509, 95.3511

 12.7868, 20.5815,
2.0742

 203.2121,
255.0461, 123.5185

 7.3579, 12.8185,
0.6003

246.7981,
306.4335, 156.7493

 3.7352, 7.3037,
0.0000

296.2092,

 1.5535, 3.6527,

364.2975, 195.4623

0.0000

351.8109,
429.0225, 240.0758

0.3618, 1.4813,
0.0000

0.0000, 0.2755,
0.0000

59.8721, 81.8043,
24.9461

59.8721, 81.8043,
24.9461

56.5300, 80.2051,
19.3216

63.7355, 83.6341,
32.5580

53.6654, 78.8101,
15.4927


68.1477, 85.6973,
42.3152


51.2355, 77.6048,
13.2388


73.1407, 88.0098,
54.3659


49.1702, 76.5609,
12.2035

78.7422, 90.5828,
68.8436

 49.1233, 76.5371,
12.1841

 84.9778, 93.4269,
85.8714

 91.8715, 96.5520,
105.5642

 93.7890, 97.4780,
108.4797

Harmonies

Analogous

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



77.0321, 81.8043, 18.8866



59.8721, 81.8043, 24.9461



49.2154, 81.8043, 46.4411

Triad

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



59.8721, 81.8043, 24.9461



60.9298, 81.8043, 220.8459



121.8274, 81.8043, 87.0173

Complementary

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



59.8721, 81.8043, 24.9461



35.5872, 23.2432, 93.8823

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.



115.6160, 81.8043, 152.0510



59.8721, 81.8043, 24.9461



78.4774, 81.8043, 246.3479

Square

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



59.8721, 81.8043, 24.9461



49.7501, 81.8043, 157.2289



98.8795, 81.8043, 217.0762



114.6771, 81.8043, 44.1574

Rectangle

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



59.8721, 81.8043, 24.9461



46.1566, 81.8043, 73.3987



98.8795, 81.8043, 217.0762



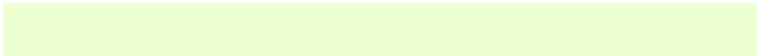
121.2257, 81.8043, 106.8290

Sweetspot

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



59.8740, 81.8079, 24.9478



82.7004, 94.3878, 74.2464



53.6090, 44.3981, 18.0572



17.3179, 20.0274, 14.8704



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.



59.8740, 81.8079, 24.9478



57.8710, 82.7858, 18.9579



45.0889, 74.1859, 24.2559



18.0858, 19.8600, 18.3425



25.9848, 40.3140, 6.4118



2.5224, 3.7935, 0.5993

Inverse Universe

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



35.5872, 23.2432, 93.8823



30.7279, 17.1385, 96.2963



54.2232, 32.8504, 94.7545



16.8729, 16.9471, 21.7671



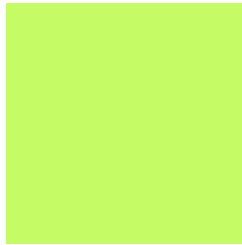
11.5324, 4.8879, 48.3092



1.1793, 0.5100, 4.4795

Previews

White Background



This preview shows how the XYZ color 59.8721, 81.8043, 24.9461 looks on a white background.

Color Contrast Check

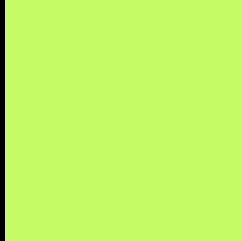
Large Text (above 18pt) WCAG AA × Fail

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 59.8721, 81.8043, 24.9461 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 59.8721, 81.8043, 24.9461

Background



This preview shows how black text looks on a background with the XYZ color 59.8721, 81.8043, 24.9461.

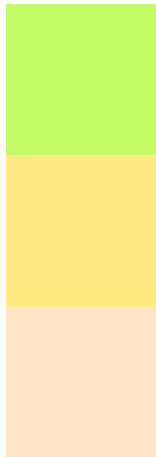


This preview shows how white text looks on a background with the XYZ color 59.8721, 81.8043,

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

59.8721, 81.8043, 24.9461

Protanopia

74.4756, 81.1765, 33.2161

Deuteranopia

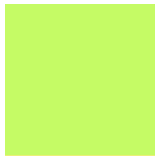
79.3374, 81.3298, 64.3400



Tritanopia

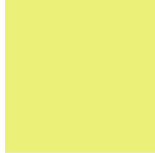
75.9166, 81.1713, 105.4323

Trichromacy



Original Color

59.8721, 81.8043, 24.9461



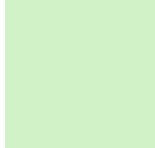
Protanomaly

68.4819, 81.1687, 29.8270



Deuteranomaly

70.7375, 80.6694, 46.0249



Tritanomaly

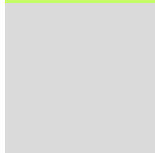
67.9428, 80.5431, 65.3915

Monochromacy



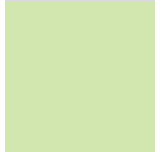
Original Color

59.8721, 81.8043, 24.9461



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.6130, 73.3904, 51.4231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8721, 81.8043, 24.9461 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(197, 251, 101)` looks like.

```
.text, #text, p{  
    color:rgb(197, 251, 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(197, 251, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 251, 101) }
```

Border

The CSS property to change the border of an element to XYZ 59.8721, 81.8043, 24.9461 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(197, 251, 101) }
```


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

```
.border{ border-color:rgb(197, 251, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 251, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 251, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 251, 101);  
box-shadow:4px 4px 4px 4px rgb(197, 251,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8721, 81.8043, 24.9461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 251, 101) }
```

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

```
.background{ background-color: rgb(197,  
251, 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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