

Converting Colors

XYZ(59.7083, 83.5887, 25.5598)

Have a look what the booklet for
XYZ(59.7083, 83.5887, 25.5598)
contains.

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Color

**XYZ(59.6441, 83.5557,
25.5547)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFF66
RGB	191, 255, 102
RGB Percent	75%, 100%, 40%
CMY	0.2510, 0.0000, 0.6000
CMYK	0.25, 0.00, 0.60, 0.00
HSL	85°, 100%, 70%
HSV	85°, 60%, 100%
XYZ	59.6441, 83.5557, 25.5547
YIQ	218.4220, 10.9690, -61.1510

Conversions

Conversions Part 2

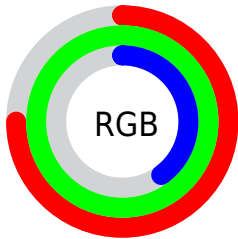
Format	Color
RYB	102, 255, 166
Decimal	12582758
CIELab	93.26, -42.87, 65.01
CIELCh	93, 77.869, 123.402
Yxy	83.5557, 0.3534, 0.4951
Android (android.graphics.Color)	4290772838 (0xFFBFFF66)
YUV	218.4220, -57.3960, -24.0491
Hunter-Lab	91.4088, -43.4944, 47.4108

Details

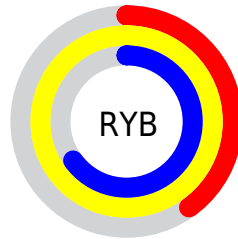
The XYZ color **59.6441, 83.5557, 25.5547** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **38.5288, 24.8312, 97.3700**, and the grayscale version is **67.3106, 70.8160, 77.1186**.

A 20% lighter version of the original color is **81.3559, 94.3126, 46.2640**, and **30.4802, 45.6383, 9.5855** is the 20% darker color. If you saturate the color by 10%, you get **55.9820, 81.7921, 19.7667**, and if you desaturate by 10%, it is **63.8908, 85.5756, 33.4019**.

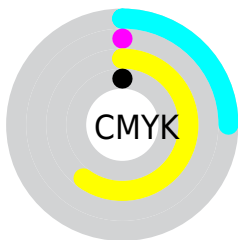
Distribution



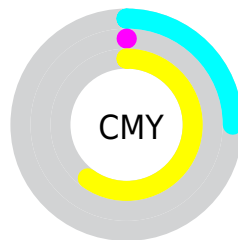
- Red (75%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (65%)



- Cyan (25%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6441, 83.5557, 25.5547 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 59.6441, 83.5557, 25.5547 by changing the saturation by 10% instead.


 59.6441, 83.5557,
25.5547


 59.6441, 83.5557,
25.5547


413.1405,
506.8367, 294.1248

 43.3802, 62.6487,
16.2680


 103.4225,
138.3535, 53.5309


 30.3793, 45.5571,
9.5576


 131.6677,
173.0131, 73.0576

 20.2762, 31.8964,
5.0049


 164.6374,
213.0256, 96.8346

 12.7054, 21.2824,
2.1913

 202.6969,
258.7755, 125.2806

 7.3016, 13.3306,
0.6694

246.2116,
310.6472, 158.8141

 3.6994, 7.6566,
0.0000

295.5469,

 1.5335, 3.8760,

369.0250, 197.8536

0.0000

351.0681,
434.2933, 242.8177

0.3485, 1.6044,
0.0000

0.0000, 0.3606,
0.0000

59.6441, 83.5557,
25.5547

59.6441, 83.5557,
25.5547

55.9820, 81.7921,
19.7667

63.8908, 85.5756,
33.4019

52.8630, 80.2679,
15.8396


68.7578, 87.8668,
43.4751


50.2387, 78.9631,
13.5421

74.2783, 90.4428,
55.9280

48.0328, 77.8468,
12.4945

80.4824, 93.3161,
70.8997

 48.0324, 77.8467,
12.4943

 87.3980, 96.4984,
88.5185

95.0500, 100.0000,
108.9000

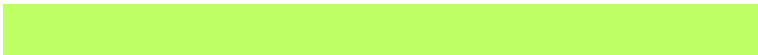
Harmonies

Analogous

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



77.1022, 83.5557, 18.4348



59.6441, 83.5557, 25.5547



49.1430, 83.5557, 49.2363

Triad

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



59.6441, 83.5557, 25.5547



63.0527, 83.5557, 233.7453



125.5906, 83.5557, 84.4454

Complementary

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



59.6441, 83.5557, 25.5547



38.5288, 24.8312, 97.3700

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.



120.1077, 83.5557, 151.4176



59.6441, 83.5557, 25.5547



81.7781, 83.5557, 256.4692

Square

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



59.6441, 83.5557, 25.5547



50.8603, 83.5557, 168.2954



103.1385, 83.5557, 221.4090



117.0536, 83.5557, 41.9293

Rectangle

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



59.6441, 83.5557, 25.5547



46.3593, 83.5557, 78.6206



103.1385, 83.5557, 221.4090



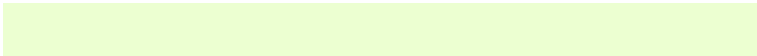
125.3309, 83.5557, 104.5667

Sweetspot

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



59.6442, 83.5557, 25.5559



81.8065, 93.9269, 74.2046



57.2298, 49.4020, 19.0908



17.0992, 19.9147, 14.8602



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.



59.6442, 83.5557, 25.5559



55.3156, 81.4684, 18.8383



45.1965, 76.1076, 24.8797



18.7839, 20.6900, 19.1479



25.2720, 40.7663, 6.5367



2.5852, 4.0335, 0.6423

Inverse Universe

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



38.5288, 24.8312, 97.3700



32.5782, 18.0924, 96.3829



59.5058, 35.6453, 98.3517



17.7230, 17.7489, 22.7417



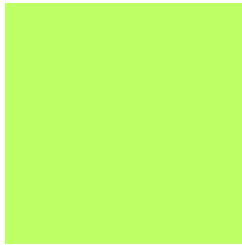
12.7400, 5.4782, 49.8205



1.3616, 0.5958, 4.8565

Previews

White Background



This preview shows how the XYZ color 59.6441, 83.5557, 25.5547 looks on a white background.

Color Contrast Check

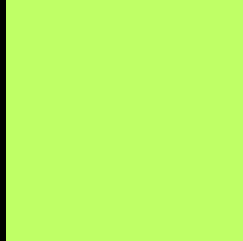
Large Text (above 18pt) WCAG AA × Fail

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 59.6441, 83.5557, 25.5547 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

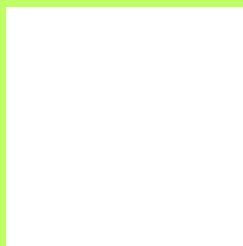
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6441, 83.5557, 25.5547

Background



This preview shows how black text looks on a background with the XYZ color 59.6441, 83.5557, 25.5547.

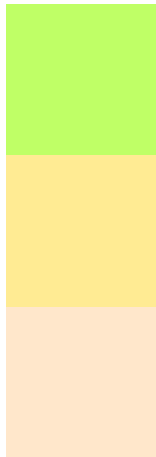


This preview shows how white text looks on a background with the XYZ color 59.6441, 83.5557,

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

59.6441, 83.5557, 25.5547

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

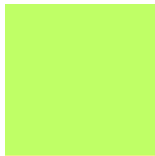
80.5954, 82.7236, 68.2193



Tritanopia

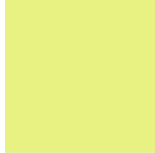
76.9408, 83.4001, 106.6504

Trichromacy



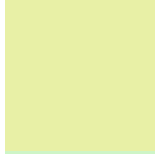
Original Color

59.6441, 83.5557, 25.5547



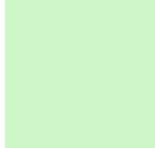
Protanomaly

69.1276, 82.2988, 33.7146



Deuteranomaly

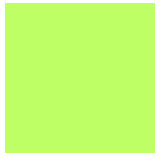
71.3217, 82.2292, 48.1892



Tritanomaly

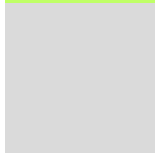
68.4148, 82.5501, 66.3608

Monochromacy



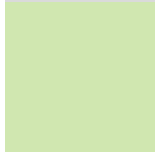
Original Color

59.6441, 83.5557, 25.5547



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

62.4248, 73.6963, 52.0090

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6441, 83.5557, 25.5547 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(191, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 102)  
}
```

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(191, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 102) }
```

Border

The CSS property to change the border of an element to XYZ 59.6441, 83.5557, 25.5547 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(191, 255, 102) }
```


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

```
.border{ border-color:rgb(191, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6441, 83.5557, 25.5547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 102) }
```

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

```
.background{ background-color: rgb(191,  
255, 102) }
```

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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