

Converting Colors

XYZ(59.6077, 83.4748, 28.3583)

Have a look what the booklet for
XYZ(59.6077, 83.4748, 28.3583)
contains.

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Color

**XYZ(59.6709, 83.5087,
28.3030)**

Conversions

Conversions Part 1

Format	Color
Hex	BDFE70
RGB	189, 255, 112
RGB Percent	74%, 100%, 44%
CMY	0.2588, 0.0000, 0.5608
CMYK	0.26, 0.00, 0.56, 0.00
HSL	88°, 100%, 72%
HSV	88°, 56%, 100%
XYZ	59.6709, 83.5087, 28.3030
YIQ	218.9640, 6.5670, -58.4650

Conversions

Conversions Part 2

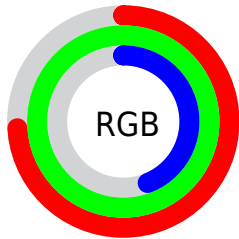
Format	Color
RYB	112, 255, 178
Decimal	12451696
CIELab	93.24, -42.72, 60.70
CIElCh	93, 74.222, 125.135
Yxy	83.5087, 0.3480, 0.4870
Android (android.graphics.Color)	4290641776 (0xFFBDF70)
YUV	218.9640, -52.7333, -26.2784
Hunter-Lab	91.3831, -43.3643, 45.6050

Details

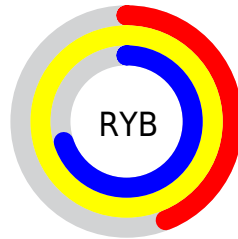
The XYZ color **59.6709, 83.5087, 28.3030** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **42.2056, 28.2747, 97.8408**, and the grayscale version is **67.6578, 71.1813, 77.5164**.

A 20% lighter version of the original color is **81.4465, 94.2665, 50.4618**, and **30.4483, 45.5891, 11.0657** is the 20% darker color. If you saturate the color by 10%, you get **55.6441, 81.5742, 21.7236**, and if you desaturate by 10%, it is **64.3371, 85.7262, 37.0128**.

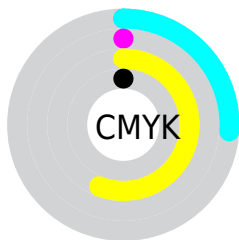
Distribution



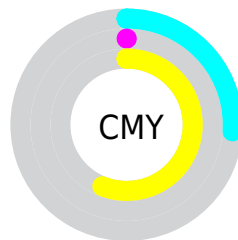
- Red (74%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (70%)



- Cyan (26%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)





- Cyan (26%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.6709, 83.5087, 28.3030 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 59.6709, 83.5087, 28.3030 by changing the saturation by 10% instead.


 59.6709, 83.5087,
28.3030


 59.6709, 83.5087,
28.3030


413.2379,
506.6803, 307.8693


 43.4019, 62.6099,
18.3132


 103.4612,
138.2877, 57.9967

 30.3964, 45.5257,
11.0033


 131.7131,
172.9367, 78.5377

 20.2893, 31.8717,
5.9549


 164.6901,
212.9379, 103.4328

 12.7150, 21.2635,
2.7493

202.7575,
258.6756, 133.1006

 7.3082, 13.3168,
0.9681

246.2806,
310.5344, 167.9596

 3.7036, 7.6470,
0.0000

295.6248,

 1.5359, 3.8699,

368.8985, 208.4284

0.0000

351.1554,
434.1523, 254.9254

■ 0.3500, 1.6011,
0.0000

■ 0.0000, 0.3583,
0.0000

■ 59.6709, 83.5087,
28.3030

■ 59.6709, 83.5087,
28.3030

■ 55.6441, 81.5742,
21.7236

■ 64.3371, 85.7262,
37.0128

■ 52.2155, 79.9058,
17.0868


■ 69.6783, 88.2418,
48.0121


■ 49.3386, 78.4841,
14.1782

■ 75.7278, 91.0693,
61.4491

■ 46.9567, 77.2858,
12.7300

■ 82.5162, 94.2215,
77.4585

 46.1265, 76.8641,
12.4051

 90.0720, 97.7105,
96.1650

95.0500, 100.0000,
108.9000

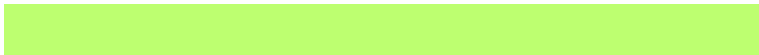
Harmonies

Analogous

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



76.0601, 83.5087, 20.3852



59.6709, 83.5087, 28.3030



49.9548, 83.5087, 52.8017

Triad

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



59.6709, 83.5087, 28.3030



64.6125, 83.5087, 227.4924



122.9345, 83.5087, 81.6405

Complementary

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



59.6709, 83.5087, 28.3030



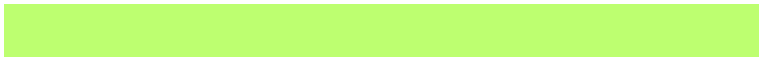
42.2056, 28.2747, 97.8408

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.



118.5319, 83.5087, 144.0323



59.6709, 83.5087, 28.3030



82.7797, 83.5087, 245.5187

Square

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



59.6709, 83.5087, 28.3030



52.4630, 83.5087, 167.8858



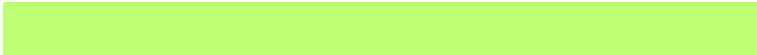
102.9936, 83.5087, 210.2168



114.1965, 83.5087, 42.0306

Rectangle

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



59.6709, 83.5087, 28.3030



47.5388, 83.5087, 82.1113



102.9936, 83.5087, 210.2168



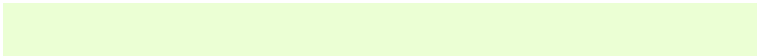
122.9551, 83.5087, 100.3516

Sweetspot

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



59.6711, 83.5087, 28.3042



81.8578, 93.9166, 75.8695



59.7593, 53.6189, 22.5302



17.2191, 19.9621, 15.5159



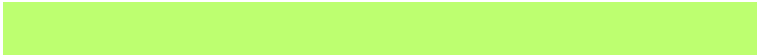
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



59.6711, 83.5087, 28.3042



55.3032, 81.4093, 21.2171



46.3137, 76.6228, 27.6791



18.7059, 20.6498, 19.1442



24.2764, 40.2530, 6.4901



2.4898, 3.9843, 0.6378

Inverse Universe

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



42.2056, 28.2747, 97.8408



36.3375, 21.3711, 96.8176



62.5029, 38.7383, 98.7907



17.7998, 17.7885, 22.7453



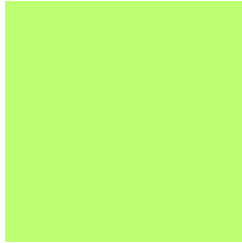
13.4818, 5.8606, 49.8552



1.4371, 0.6348, 4.8600

Previews

White Background



This preview shows how the XYZ color 59.6709, 83.5087, 28.3030 looks on a white background.

Color Contrast Check

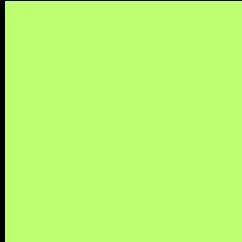
Large Text (above 18pt) WCAG AA × Fail

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 59.6709, 83.5087, 28.3030 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

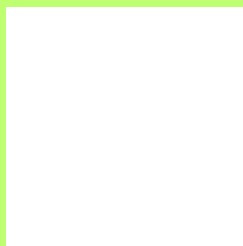
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.6709, 83.5087, 28.3030

Background



This preview shows how black text looks on a background with the XYZ color 59.6709, 83.5087, 28.3030.

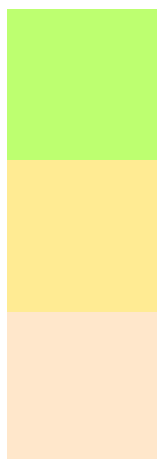


This preview shows how white text looks on a background with the XYZ color 59.6709, 83.5087,

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

59.6709, 83.5087, 28.3030

Protanopia

76.2148, 82.7832, 39.5656

Deuteranopia

80.5954, 82.7236, 68.2193



Tritanopia

76.3571, 83.0991, 106.6230

Trichromacy



Original Color

59.6709, 83.5087, 28.3030



Protanomaly

69.0102, 82.2144, 34.7860



Deuteranomaly

71.3708, 82.2114, 50.1370



Tritanomaly

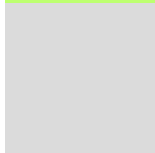
68.3337, 82.4540, 68.8136

Monochromacy



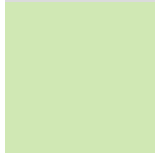
Original Color

59.6709, 83.5087, 28.3030



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.1073, 74.4184, 54.2181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6709, 83.5087, 28.3030 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(189, 255, 112)` looks like.

```
.text, #text, p{  
    color:rgb(189, 255, 112)  
}
```

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(189, 255, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 255, 112) }
```

Border

The CSS property to change the border of an element to XYZ 59.6709, 83.5087, 28.3030 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(189, 255, 112) }
```


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

```
.border{ border-color:rgb(189, 255, 112) }
```

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

Here you see how a box with a 4 pixel rgb(189, 255, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 255, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 255, 112);  
box-shadow:4px 4px 4px 4px rgb(189, 255,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6709, 83.5087, 28.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 255, 112) }
```

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

```
.background{ background-color: rgb(189,  
255, 112) }
```

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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