

Converting Colors

XYZ(69.6402, 104.1267,
25.9856)

Have a look what the booklet for
XYZ(69.6402, 104.1267, 25.9856)
contains.

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Color

**XYZ(59.3014, 83.4477,
22.4327)**

Conversions

Conversions Part 1

Format	Color
Hex	C0FF59
RGB	192, 255, 89
RGB Percent	75%, 100%, 35%
CMY	0.2471, 0.0000, 0.6510
CMYK	0.25, 0.00, 0.65, 0.00
HSL	83°, 100%, 67%
HSV	83°, 65%, 100%
XYZ	59.3014, 83.4477, 22.4327
YIQ	217.2390, 15.7380, -64.9820

Conversions

Conversions Part 2

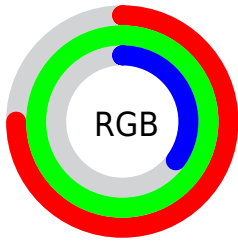
Format	Color
RYB	89, 255, 152
Decimal	12648281
CIELab	93.21, -43.49, 70.17
CIElCh	93, 82.552, 121.788
Yxy	83.4477, 0.3590, 0.5052
Android (android.graphics.Color)	4290838361 (0xFFC0FF59)
YUV	217.2390, -63.2218, -22.1346
Hunter-Lab	91.3497, -43.9853, 49.3850

Details

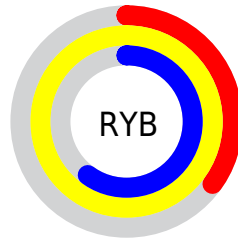
The XYZ color **59.3014, 83.4477, 22.4327** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **34.5728, 21.0416, 96.8470**, and the grayscale version is **66.5299, 69.9946, 76.2241**.

A 20% lighter version of the original color is **81.0932, 94.2908, 41.1200**, and **30.1704, 45.5144, 7.9541** is the 20% darker color. If you saturate the color by 10%, you get **56.0389, 81.8689, 17.6257**, and if you desaturate by 10%, it is **63.0961, 85.2581, 29.2018**.

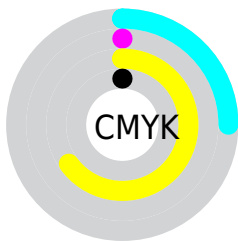
Distribution



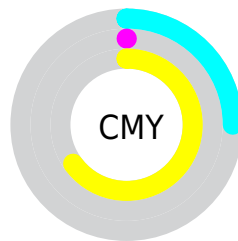
- Red (75%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (60%)



- Cyan (25%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (25%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.3014, 83.4477, 22.4327 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 59.3014, 83.4477, 22.4327 by changing the saturation by 10% instead.


 59.3014, 83.4477,
22.4327


 59.3014, 83.4477,
22.4327


411.8941,
506.4774, 277.8245

 43.1031, 62.5595,
13.9738


 102.9277,
138.2023, 48.3714


 30.1609, 45.4850,
7.9639


 131.0864,
172.8376, 66.6884

 20.1094, 31.8396,
3.9844


 163.9627,
212.8240, 89.1285

 12.5833, 21.2390,
1.6168

 201.9218,
258.5460, 116.1102

 7.2173, 13.2988,
0.3028

245.3291,
310.3879, 148.0522

 3.6459, 7.6346,
0.0000

294.5500,

 1.5038, 3.8621,

368.7342, 185.3728

0.0000

349.9499,
433.9692, 228.4908

■ 0.3284, 1.5967,
0.0000

■ 0.0000, 0.3554,
0.0000

■ 59.3014, 83.4477,
22.4327

■ 59.3014, 83.4477,
22.4327

■ 56.0389, 81.8689,
17.6257

■ 63.0961, 85.2581,
29.2018

■ 53.2648, 80.5036,
14.5656

■ 67.4601, 87.3151,
38.1110

■ 50.9267, 79.3307,
12.9925

■ 72.4268, 89.6325,
49.3225

■ 49.9038, 78.8114,
12.5819

■ 78.0267, 92.2229,
62.9817

■ 84.2879, 95.0977,
79.2221

■ 91.2366, 98.2677,
98.1675

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.



78.0198, 83.4477, 16.1101



59.3014, 83.4477, 22.4327



47.9335, 83.4477, 45.2657

Triad

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



59.3014, 83.4477, 22.4327



61.1784, 83.4477, 242.0933



128.7599, 83.4477, 87.1827

Complementary

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



59.3014, 83.4477, 22.4327



34.5728, 21.0416, 96.8470

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.



122.0604, 83.4477, 159.8732



59.3014, 83.4477, 22.4327



80.6235, 83.4477, 270.2964

Square

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



59.3014, 83.4477, 22.4327



48.8701, 83.4477, 169.4711



103.3889, 83.4477, 234.9980



120.3333, 83.4477, 41.3274

Rectangle

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



59.3014, 83.4477, 22.4327



44.7682, 83.4477, 74.8370



103.3889, 83.4477, 234.9980



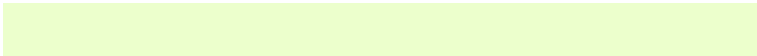
128.1978, 83.4477, 109.0217

Sweetspot

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



59.3016, 83.4478, 22.4339



81.1330, 93.6516, 70.9271



53.9290, 43.7526, 15.0551



16.9945, 19.8746, 14.2253



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.



59.3016, 83.4478, 22.4339



55.1850, 81.4512, 16.5673



44.1363, 75.6298, 21.7242



18.8542, 20.7263, 19.1512



26.2472, 41.2690, 6.5823



2.6772, 4.0809, 0.6466

Inverse Universe

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



34.5728, 21.0416, 96.8470



28.9206, 14.9305, 95.9653



55.1838, 31.6670, 97.8116



17.6546, 17.7136, 22.7385



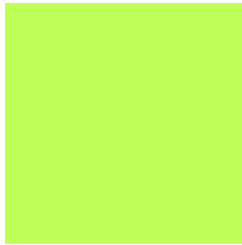
12.1479, 5.1729, 49.7928



1.2997, 0.5639, 4.8536

Previews

White Background



This preview shows how the XYZ color 59.3014, 83.4477, 22.4327 looks on a white background.

Color Contrast Check

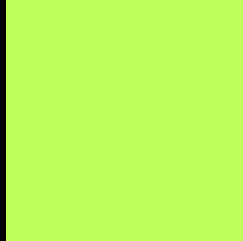
Large Text (above 18pt) WCAG AA × Fail

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 59.3014, 83.4477, 22.4327 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 59.3014, 83.4477, 22.4327

Background



This preview shows how black text looks on a background with the XYZ color 59.3014, 83.4477, 22.4327.

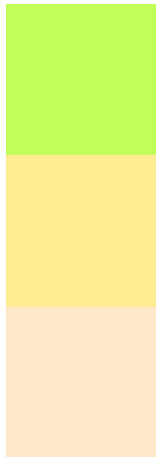


This preview shows how white text looks on a background with the XYZ color 59.3014, 83.4477,

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

59.3014, 83.4477, 22.4327

Protanopia

76.0592, 82.7210, 38.7461

Deuteranopia

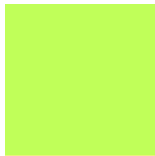
80.4766, 82.6761, 67.5936



Tritanopia

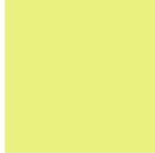
76.9434, 82.9680, 106.5668

Trichromacy



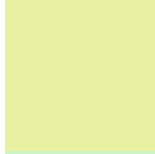
Original Color

59.3014, 83.4477, 22.4327



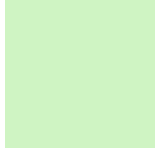
Protanomaly

68.7325, 82.1407, 31.6342



Deuteranomaly

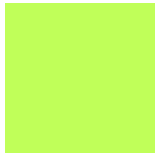
70.8718, 82.0492, 45.8199



Tritanomaly

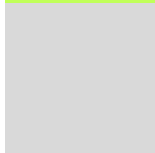
67.9331, 81.9069, 63.8589

Monochromacy



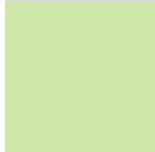
Original Color

59.3014, 83.4477, 22.4327



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

61.8440, 73.4640, 48.9507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3014, 83.4477, 22.4327 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(192, 255, 89)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 89)  
}
```

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(192, 255, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 89) }
```

Border

The CSS property to change the border of an element to XYZ 59.3014, 83.4477, 22.4327 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(192, 255, 89) }
```


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

```
.border{ border-color:rgb(192, 255, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3014, 83.4477, 22.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 89) }
```

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

```
.background{ background-color: rgb(192,  
255, 89) }
```

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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