

Converting Colors

XYZ(61.8375, 84.7338, 23.5183)

Have a look what the booklet for
XYZ(61.8375, 84.7338, 23.5183)
contains.

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Color

**XYZ(61.8232, 84.7278,
23.4516)**

Conversions

Conversions Part 1

Format	Color
Hex	C9FF5D
RGB	201, 255, 93
RGB Percent	79%, 100%, 36%
CMY	0.2118, 0.0000, 0.6353
CMYK	0.21, 0.00, 0.64, 0.00
HSL	80°, 100%, 68%
HSV	80°, 64%, 100%
XYZ	61.8232, 84.7278, 23.4516
YIQ	220.3860, 19.8180, -61.8300

Conversions

Conversions Part 2

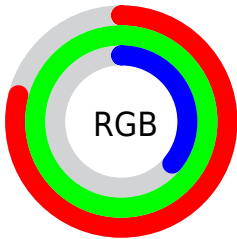
Format	Color
RYB	93, 255, 147
Decimal	13238109
CIELab	93.77, -39.91, 69.37
CIELCh	94, 80.027, 119.914
Yxy	84.7278, 0.3637, 0.4984
Android (android.graphics.Color)	4291428189 (0xFFC9FF5D)
YUV	220.3860, -62.8013, -17.0015
Hunter-Lab	92.0477, -41.1952, 49.3277

Details

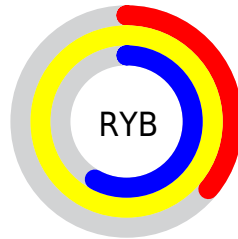
The XYZ color **61.8232, 84.7278, 23.4516** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **33.9984, 21.2531, 96.9181**, and the grayscale version is **68.7127, 72.2911, 78.7250**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **31.7561, 46.3215, 8.4955** is the 20% darker color. If you saturate the color by 10%, you get **58.6533, 83.2031, 18.3584**, and if you desaturate by 10%, it is **65.4963, 86.4684, 30.5354**.

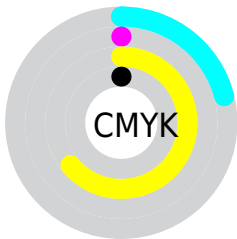
Distribution



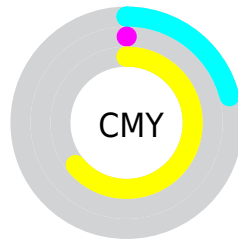
- Red (79%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (58%)



- Cyan (21%)
- Magenta (0%)
- Yellow (64%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8232, 84.7278, 23.4516 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 61.8232, 84.7278, 23.4516 by changing the saturation by 10% instead.


 61.8232, 84.7278,
23.4516


 61.8232, 84.7278,
23.4516


421.0137,
510.7269, 283.2328


 45.1449, 63.6165,
14.7189


 106.5613,
139.9928, 50.0664


 31.7734, 46.3401,
8.4779


 135.3519,
174.9153, 68.7855

 21.3431, 32.5143,
4.3101


 168.9106,
215.2103, 91.6705

 13.4890, 21.7546,
1.7970

 207.6028,
261.2622, 119.1399

 7.8454, 13.6767,
0.4260

251.7939,
313.4555, 151.6124

 4.0472, 7.8962,
0.0000

301.8492,

 1.7288, 4.0286,

372.1744, 189.5063

0.0000

358.1340,
437.8034, 233.2403

■ 0.4742, 1.6896,
0.0000

■ 0.0000, 0.4169,
0.0000

■ 61.8232, 84.7278,
23.4516

■ 61.8232, 84.7278,
23.4516

■ 58.6533, 83.2031,
18.3584

■ 65.4963, 86.4684,
30.5354

■ 55.9450, 81.8775,
15.0463

■ 69.7080, 88.4393,
39.7841

■ 53.6487, 80.7307,
13.2652

■ 74.4902, 90.6534,
51.3570

■ 52.3369, 80.0657,
12.6958

■ 79.8722, 93.1227,
65.3975

■ 85.8807, 95.8581,
82.0375

■ 92.5408, 98.8699,
101.3993

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.



80.5929, 84.7278, 17.7350



61.8232, 84.7278, 23.4516



50.0952, 84.7278, 45.1434

Triad

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



61.8232, 84.7278, 23.4516



61.7337, 84.7278, 235.0885



128.6969, 84.7278, 92.4308

Complementary

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



61.8232, 84.7278, 23.4516



33.9984, 21.2531, 96.9181

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.



121.3171, 84.7278, 164.2384



61.8232, 84.7278, 23.4516



80.4696, 84.7278, 265.7493

Square

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



61.8232, 84.7278, 23.4516



50.0503, 84.7278, 163.7897



102.6772, 84.7278, 235.4180



121.3981, 84.7278, 45.3335

Rectangle

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



61.8232, 84.7278, 23.4516



46.6267, 84.7278, 73.2384



102.6772, 84.7278, 235.4180



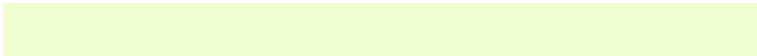
127.8356, 84.7278, 114.3057

Sweetspot

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



61.8234, 84.7279, 23.4528



82.5133, 94.3275, 72.6016



53.6503, 42.9189, 15.8136



17.3009, 20.0257, 14.5521



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.



61.8234, 84.7279, 23.4528



57.9424, 82.8575, 17.3824



45.4823, 76.3038, 22.6880



18.9384, 20.7697, 19.1551



27.5121, 41.9211, 6.6415



2.7947, 4.1415, 0.6521

Inverse Universe

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



33.9984, 21.2531, 96.9181



28.3045, 14.9995, 96.0111



53.9600, 31.5437, 97.8523



17.5735, 17.6719, 22.7347



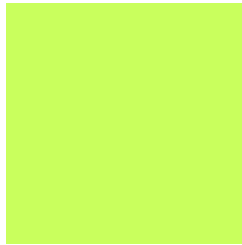
11.5298, 4.8543, 49.7639



1.2329, 0.5295, 4.8505

Previews

White Background



This preview shows how the XYZ color 61.8232, 84.7278, 23.4516 looks on a white background.

Color Contrast Check

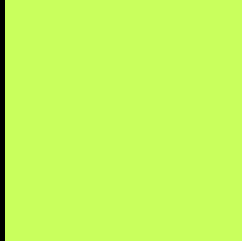
Large Text (above 18pt) WCAG AA × Fail

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 61.8232, 84.7278, 23.4516 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

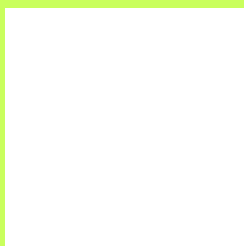
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 61.8232, 84.7278, 23.4516

Background



This preview shows how black text looks on a background with the XYZ color 61.8232, 84.7278, 23.4516.

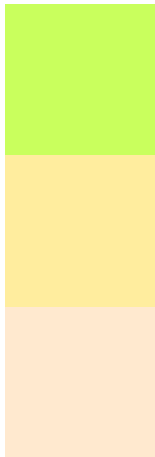


This preview shows how white text looks on a background with the XYZ color 61.8232, 84.7278,

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

61.8232, 84.7278, 23.4516

Protanopia

77.6957, 84.2970, 44.5237

Deuteranopia

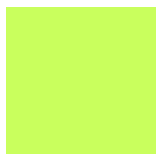
81.6414, 84.0428, 70.9504



Tritanopia

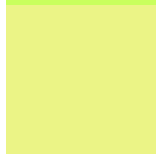
79.0560, 84.0570, 106.6657

Trichromacy



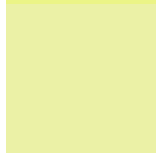
Original Color

61.8232, 84.7278, 23.4516



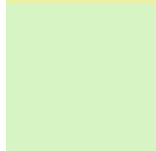
Protanomaly

70.9147, 84.0848, 35.0466



Deuteranomaly

72.5992, 83.3259, 48.3335



Tritanomaly

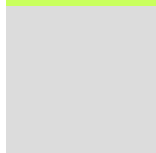
70.3388, 83.1340, 64.5638

Monochromacy



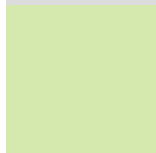
Original Color

61.8232, 84.7278, 23.4516



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.2195, 75.4800, 51.2288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8232, 84.7278, 23.4516 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(201, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 93)  
}
```

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(201, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 93) }
```

Border

The CSS property to change the border of an element to XYZ 61.8232, 84.7278, 23.4516 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(201, 255, 93) }
```


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

```
.border{ border-color:rgb(201, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8232, 84.7278, 23.4516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 93) }
```

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

```
.background{ background-color: rgb(201,  
255, 93) }
```

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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