

Converting Colors

XYZ(61.5438, 84.8120, 13.1267)

Have a look what the booklet for
XYZ(61.5438, 84.8120, 13.1267)
contains.

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Color

**XYZ(61.4921, 84.7854,
13.1242)**

Conversions

Conversions Part 1

Format	Color
Hex	CFFF00
RGB	207, 255, 0
RGB Percent	81%, 100%, 0%
CMY	0.1882, 0.0000, 0.9998
CMYK	0.19, 0.00, 1.00, 0.00
HSL	71°, 100%, 50%
HSV	71°, 100%, 100%
XYZ	61.4921, 84.7854, 13.1242
YIQ	211.5780, 53.2470, -89.4810

Conversions

Conversions Part 2

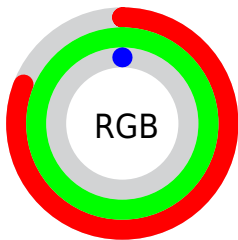
Format	Color
RYB	0, 255, 48
Decimal	13631232
CIELab	93.79, -40.79, 90.50
CIELCh	94, 99.267, 114.263
Yxy	84.7854, 0.3858, 0.5319
Android (android.graphics.Color)	4291821312 (0xFFCFFF00)
YUV	211.5780, -104.3080, -4.0149
Hunter-Lab	92.0790, -41.9325, 56.0046

Details

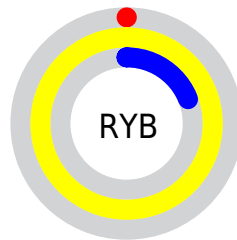
The XYZ color **61.4921, 84.7854, 13.1242** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.2712, 7.8502, 95.1073**, and the grayscale version is **62.9473, 66.2254, 72.1195**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **32.2267, 46.5912, 7.2945** is the 20% darker color. If you saturate the color by 10%, you get **61.4899, 84.7842, 13.1241**, and if you desaturate by 10%, it is **63.0351, 85.5599, 14.1429**.

Distribution



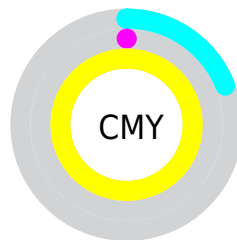
- Red (81%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (19%)



- Cyan (19%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.4921, 84.7854, 13.1242 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 61.4921, 84.7854, 13.1242 by changing the saturation by 10% instead.


 61.4921, 84.7854,
13.1242

 61.4921, 84.7854,
13.1242


419.8232,
510.9177, 222.9478


 44.8765, 63.6641,
7.3824


 106.0852,
140.0733, 32.2212

 31.5610, 46.3787,
3.6203


 134.7934,
175.0087, 46.4134


 21.1803, 32.5447,
1.4195


 168.2632,
215.3175, 64.2596

 13.3691, 21.7779,
0.1568

 206.8599,
261.3843, 86.1782

 7.7619, 13.6938,
0.0000

 250.9489,
313.5932, 112.5878

 3.9935, 7.9080,
0.0000

 300.8955,

 1.6985, 4.0361,

372.3289, 143.9069

0.0000

357.0652,
437.9756, 180.5541

■ 0.4553, 1.6938,
0.0000

■ 0.0000, 0.4196,
0.0000

■ 61.4921, 84.7854,
13.1242

■ 61.4921, 84.7854,
13.1242

■ 61.4899, 84.7842,
13.1241

■ 63.0351, 85.5599,
14.1429

■ 64.8551, 86.4500,
16.4047

■ 67.0245, 87.4846,
20.2897

■ 69.5877, 88.6816,
26.0300

72.5820, 90.0558,
33.8202

76.0400, 91.6205,
43.8305

79.9909, 93.3873,
56.2131

84.4616, 95.3670,
71.1070

89.4765, 97.5694,
88.6404

Harmonies

Analogous

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



85.7627, 84.7854, 10.0963



61.4921, 84.7854, 13.1242



46.0339, 84.7854, 30.8185

Triad

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



61.4921, 84.7854, 13.1242



54.4472, 84.7854, 267.5048



142.3077, 84.7854, 107.6106

Complementary

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



61.4921, 84.7854, 13.1242



19.2712, 7.8502, 95.1073

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.



129.1553, 84.7854, 205.7794



61.4921, 84.7854, 13.1242



75.6219, 84.7854, 325.3400

Square

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



61.4921, 84.7854, 13.1242



42.6311, 84.7854, 165.7807



103.2722, 84.7854, 298.1138



136.2235, 84.7854, 44.5737

Rectangle

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



61.4921, 84.7854, 13.1242



40.9667, 84.7854, 58.2621



103.2722, 84.7854, 298.1138



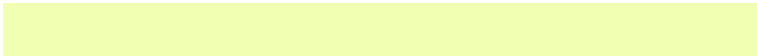
139.9151, 84.7854, 137.5776

Sweetspot

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



61.4921, 84.7854, 13.1253



79.9846, 93.3845, 56.1925



42.2480, 23.2757, 2.2670



16.7503, 19.8233, 10.8465



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.



61.4921, 84.7854, 13.1253



61.4899, 84.7842, 13.1241



39.1344, 73.2595, 12.0790



19.2062, 20.9078, 19.1677



32.2498, 44.3635, 6.8633



3.2226, 4.3621, 0.6721

Inverse Universe

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



19.2712, 7.8502, 95.1073



19.2693, 7.8486, 95.1071



35.5644, 16.2496, 95.8698



17.3221, 17.5422, 22.7230



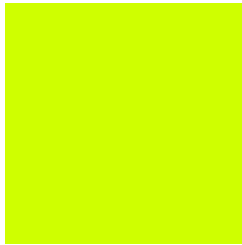
10.1593, 4.1478, 49.6997



1.0700, 0.4455, 4.8429

Previews

White Background



This preview shows how the XYZ color 61.4921, 84.7854, 13.1242 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 61.4921, 84.7854, 13.1242 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 61.4921, 84.7854, 13.1242

Background



This preview shows how black text looks on a background with the XYZ color 61.4921, 84.7854, 13.1242.

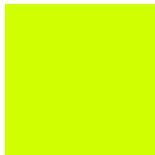


This preview shows how white text looks on a background with the XYZ color 61.4921, 84.7854,

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

61.4921, 84.7854, 13.1242



Protanopia

77.6100, 84.2627, 44.0721



Deuteranopia

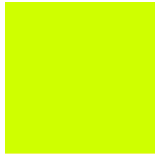
81.5195, 83.9941, 70.3085



Tritanopia

80.3291, 84.2824, 106.6421

Trichromacy



Original Color

61.4921, 84.7854, 13.1242



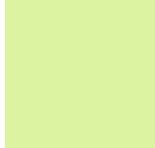
Protanomaly

69.9108, 83.7986, 24.5466



Deuteranomaly

70.8119, 82.7264, 33.7083



Tritanomaly

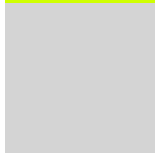
68.3875, 82.5256, 46.5071

Monochromacy



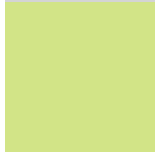
Original Color

61.4921, 84.7854, 13.1242



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.6949, 70.9377, 33.5205

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.4921, 84.7854, 13.1242 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(207, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 0)  
}
```

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(207, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 61.4921, 84.7854, 13.1242 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(207, 255, 0) }
```


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

```
.border{ border-color:rgb(207, 255, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 61.4921, 84.7854, 13.1242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 0) }
```

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

```
.background{ background-color: rgb(207,  
255, 0) }
```

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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