

Converting Colors

XYZ(62.4474, 85.2778, 13.1689)

Have a look what the booklet for
XYZ(62.4474, 85.2778, 13.1689)
contains.

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Color

**XYZ(62.3383, 85.2216,
13.1638)**

Conversions

Conversions Part 1

Format	Color
Hex	D2FF00
RGB	210, 255, 0
RGB Percent	82%, 100%, 0%
CMY	0.1765, 0.0000, 0.9998
CMYK	0.18, 0.00, 1.00, 0.00
HSL	71°, 100%, 50%
HSV	71°, 100%, 100%
XYZ	62.3383, 85.2216, 13.1638
YIQ	212.4750, 55.0350, -88.8450

Conversions

Conversions Part 2

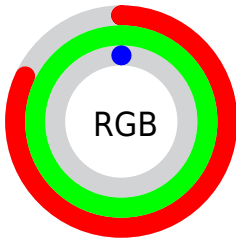
Format	Color
RYB	0, 255, 45
Decimal	13827840
CIELab	93.98, -39.63, 90.72
CIElCh	94, 99.000, 113.595
Yxy	85.2216, 0.3879, 0.5302
Android (android.graphics.Color)	4292017920 (0xFFD2FF00)
YUV	212.4750, -104.7502, -2.1706
Hunter-Lab	92.3155, -41.0158, 56.1664

Details

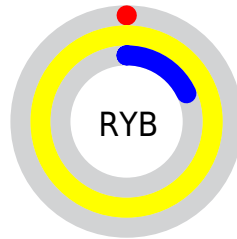
The XYZ color **62.3383, 85.2216, 13.1638** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.1343, 7.7796, 95.1009**, and the grayscale version is **63.5490, 66.8585, 72.8089**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **32.7718, 46.8722, 7.3200** is the 20% darker color. If you saturate the color by 10%, you get **62.3362, 85.2205, 13.1637**, and if you desaturate by 10%, it is **63.8190, 85.9640, 14.1796**.

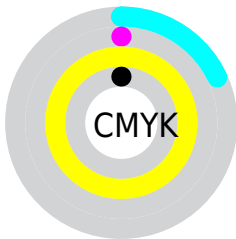
Distribution



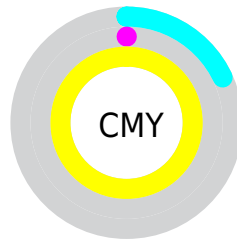
- Red (82%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (18%)



- Cyan (18%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (18%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.3383, 85.2216, 13.1638 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 62.3383, 85.2216, 13.1638 by changing the saturation by 10% instead.


 62.3383, 85.2216,
13.1638

 62.3383, 85.2216,
13.1638


422.8620,
512.3610, 223.2094


 45.5627, 64.0245,
7.4094


 107.3015,
140.6827, 32.2932

 32.1041, 46.6705,
3.6371


 136.2199,
175.7156, 46.5053


 21.5969, 32.7753,
1.4285


 169.9165,
216.1291, 64.3737

 13.6760, 21.9543,
0.1638

 208.7569,
262.3077, 86.3170

 7.9758, 13.8234,
0.0000

 253.1062,
314.6358, 112.7537

 4.1312, 7.9979,
0.0000

 303.3299,

 1.7766, 4.0936,

373.4978, 144.1022

0.0000

359.7934,
439.2781, 180.7813

■ 0.5035, 1.7261,
0.0000

■ 0.0000, 0.4404,
0.0000

■ 62.3383, 85.2216,
13.1638

■ 62.3383, 85.2216,
13.1638

■ 62.3362, 85.2205,
13.1637

■ 63.8190, 85.9640,
14.1796

■ 65.5720, 86.8195,
16.4383

■ 67.6695, 87.8171,
20.3199

■ 70.1558, 88.9744,
26.0566

■ 73.0682, 90.3065,
33.8430

■ 76.4393, 91.8264,
43.8492

■ 80.2982, 93.5457,
56.2276

■ 84.6716, 95.4753,
71.1170

■ 89.5841, 97.6249,
88.6456

Harmonies

Analogous

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



86.7951, 85.2216, 10.3363



62.3383, 85.2216, 13.1638



46.6366, 85.2216, 30.5008

Triad

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



62.3383, 85.2216, 13.1638



54.4603, 85.2216, 265.8076



142.6234, 85.2216, 109.9690

Complementary

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



62.3383, 85.2216, 13.1638



19.1343, 7.7796, 95.1009

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.



129.0953, 85.2216, 208.5404



62.3383, 85.2216, 13.1638



75.4698, 85.2216, 325.1250

Square

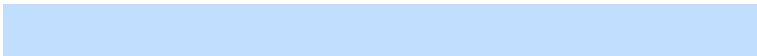
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.3383, 85.2216, 13.1638



42.8270, 85.2216, 163.9709



103.0588, 85.2216, 299.8717



136.9752, 85.2216, 45.9275

Rectangle

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



62.3383, 85.2216, 13.1638



41.4195, 85.2216, 57.4985



103.0588, 85.2216, 299.8717



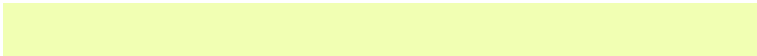
140.0878, 85.2216, 140.1911

Sweetspot

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



62.3383, 85.2216, 13.1649



80.2920, 93.5430, 56.2069



42.0872, 22.9540, 2.2134



16.8245, 19.8615, 10.8500



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.



62.3383, 85.2216, 13.1649



62.3362, 85.2205, 13.1637



39.5089, 73.4526, 12.0965



19.2282, 20.9191, 19.1687



32.6866, 44.5887, 6.8837



3.2613, 4.3820, 0.6739

Inverse Universe

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



19.1343, 7.7796, 95.1009



19.1325, 7.7781, 95.1007



34.6308, 15.7683, 95.8261



17.3019, 17.5318, 22.7220



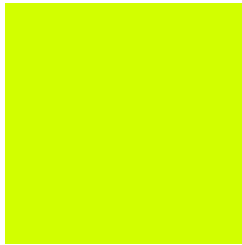
10.0832, 4.1086, 49.6962



1.0597, 0.4402, 4.8424

Previews

White Background



This preview shows how the XYZ color 62.3383, 85.2216, 13.1638 looks on a white background.

Color Contrast Check

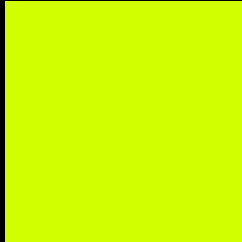
Large Text (above 18pt) WCAG AA × Fail

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 62.3383, 85.2216, 13.1638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

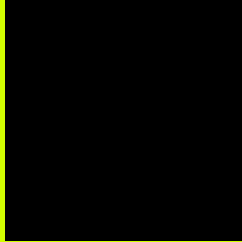
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 62.3383, 85.2216, 13.1638

Background



This preview shows how black text looks on a background with the XYZ color 62.3383, 85.2216, 13.1638.

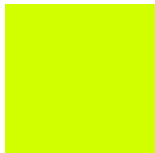


This preview shows how white text looks on a background with the XYZ color 62.3383, 85.2216,

Color Blindness Simulation

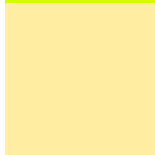
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



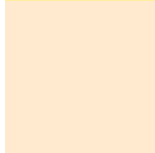
Original Color

62.3383, 85.2216, 13.1638



Protanopia

77.9572, 84.4016, 45.9006



Deuteranopia

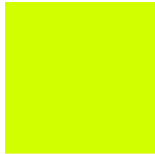
81.9253, 84.6106, 71.0450



Tritanopia

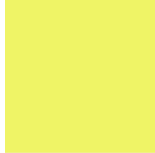
81.2892, 84.7773, 106.6870

Trichromacy



Original Color

62.3383, 85.2216, 13.1638



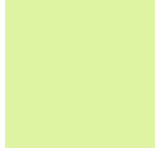
Protanomaly

70.3456, 84.0114, 25.0786



Deuteranomaly

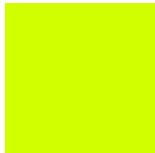
71.5136, 83.5209, 34.1818



Tritanomaly

69.3037, 82.9980, 46.5499

Monochromacy



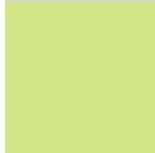
Original Color

62.3383, 85.2216, 13.1638



Achromatopsia

62.5785, 65.8375, 71.6970



Achromatomaly

58.9805, 71.0850, 33.5338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.3383, 85.2216, 13.1638 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(210, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(210, 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(210, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 255, 0) }
```

Border

The CSS property to change the border of an element to XYZ 62.3383, 85.2216, 13.1638 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(210, 255, 0) }
```


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

```
.border{ border-color:rgb(210, 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(210, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(210, 255,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 62.3383, 85.2216, 13.1638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 255, 0) }
```

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

```
.background{ background-color: rgb(210,  
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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