

# Converting Colors

XYZ(63.0558, 85.5915, 13.1974)

Have a look what the booklet for  
XYZ(63.0558, 85.5915, 13.1974)  
contains.

<b>XYZ(62.9114, 85.5170, 13.1907)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.9114, 85.5170,  
13.1907)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4FF00
RGB	212, 255, 0
RGB Percent	83%, 100%, 0%
CMY	0.1686, 0.0000, 0.9998
CMYK	0.17, 0.00, 1.00, 0.00
HSL	70°, 100%, 50%
HSV	70°, 100%, 100%
XYZ	62.9114, 85.5170, 13.1907
YIQ	213.0730, 56.2270, -88.4210

# Conversions

## Conversions Part 2

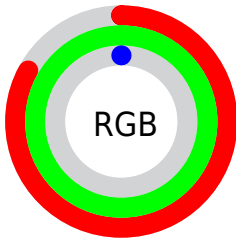
Format	Color
<b>RYB</b>	0, 255, 43
Decimal	13958912
CIELab	94.11, -38.85, 90.88
CIELCh	94, 98.830, 113.145
Yxy	85.5170, 0.3893, 0.5291
Android (android.graphics.Color)	4292148992 (0xFFD4FF00)
YUV	213.0730, -105.0450, -0.9410
Hunter-Lab	92.4754, -40.3977, 56.2757

# Details

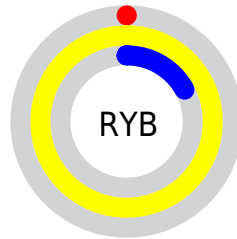
The XYZ color **62.9114, 85.5170, 13.1907** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **19.0485, 7.7354, 95.0969**, and the grayscale version is **63.9523, 67.2828, 73.2710**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **33.1430, 47.0636, 7.3374** is the 20% darker color. If you saturate the color by 10%, you get **62.9092, 85.5159, 13.1906**, and if you desaturate by 10%, it is **64.3490, 86.2372, 14.2045**.

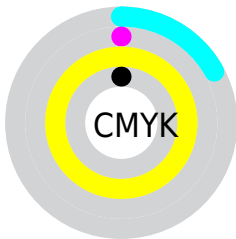
# Distribution



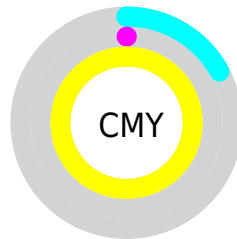
- Red (83%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (17%)



- Cyan (17%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9114, 85.5170, 13.1907 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 62.9114, 85.5170, 13.1907 by changing the saturation by 10% instead.





 62.9114, 85.5170,  
13.1907

 62.9114, 85.5170,  
13.1907


424.9126,  
513.3372, 223.3868

 46.0279, 64.2686,  
7.4277


 108.1242,  
141.0953, 32.3422

 32.4726, 46.8683,  
3.6485


 137.1842,  
176.1940, 46.5677


 21.8800, 32.9316,  
1.4346

 171.0338,  
216.6783, 64.4512

 13.8849, 22.0740,  
0.1685


 210.0383,  
262.9326, 86.4112

 8.1218, 13.9113,  
0.0000

 254.5631,  
315.3412, 112.8662

 4.2254, 8.0590,  
0.0000

 304.9735,

 1.8304, 4.1327,

374.2886, 144.2348

0.0000

361.6349,  
440.1591, 180.9355

■ 0.5359, 1.7481,  
0.0000

■ 0.0000, 0.4545,  
0.0000

■ 62.9114, 85.5170,  
13.1907

■ 62.9114, 85.5170,  
13.1907


■ 62.9092, 85.5159,  
13.1906


■ 64.3490, 86.2372,  
14.2045


■ 66.0559, 87.0690,  
16.4613


■ 68.1041, 88.0411,  
20.3408


■ 70.5381, 89.1715,  
26.0753

 73.3950, 90.4749,  
33.8594

 76.7073, 91.9645,  
43.8631

 80.5043, 93.6519,  
56.2388

 84.8125, 95.5479,  
71.1255

 89.6566, 97.6622,  
88.6512

# Harmonies

## Analogous

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



87.4940, 85.5170, 10.4995



62.9114, 85.5170, 13.1907



47.0447, 85.5170, 30.2898

# Triad

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



62.9114, 85.5170, 13.1907



54.4705, 85.5170, 264.6810



142.8389, 85.5170, 111.5719

# Complementary

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



62.9114, 85.5170, 13.1907



19.0485, 7.7354, 95.0969

# 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.



129.0584, 85.5170, 210.4102



62.9114, 85.5170, 13.1907



75.3700, 85.5170, 324.9896

# Square

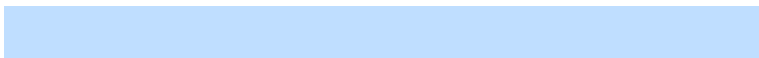
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.9114, 85.5170, 13.1907



42.9597, 85.5170, 162.7694



102.9187, 85.5170, 301.0617



137.4841, 85.5170, 46.8513



# Rectangle

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



62.9114, 85.5170, 13.1907



41.7259, 85.5170, 56.9919



102.9187, 85.5170, 301.0617



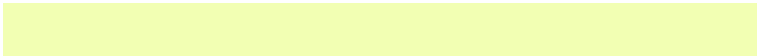
140.2073, 85.5170, 141.9650

# Sweetspot

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



62.9114, 85.5171, 13.1919



80.4977, 93.6490, 56.2166



42.0873, 22.9542, 2.2136



16.8742, 19.8872, 10.8523



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.



62.9114, 85.5171, 13.1919



62.9092, 85.5159, 13.1906



39.5091, 73.4527, 12.0966



19.2428, 20.9266, 19.1694



32.9823, 44.7411, 6.8975



3.2874, 4.3955, 0.6751



# Inverse Universe

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



19.0485, 7.7354, 95.0969



19.0466, 7.7338, 95.0966



34.6310, 15.7685, 95.8261



17.2884, 17.5249, 22.7214



10.0352, 4.0838, 49.6939

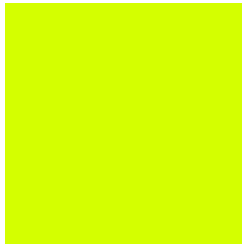


1.0531, 0.4368, 4.8421



# Previews

## White Background



This preview shows how the XYZ color 62.9114, 85.5170, 13.1907 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

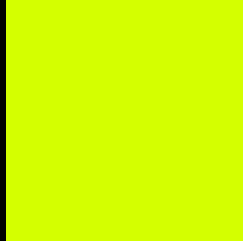
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9114, 85.5170, 13.1907 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 62.9114, 85.5170, 13.1907**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.9114, 85.5170, 13.1907.



This preview shows how white text looks on a background with the XYZ color 62.9114, 85.5170,



# 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



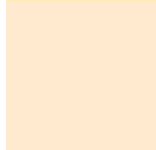
### Original Color

62.9114, 85.5170, 13.1907



### Protanopia

78.4254, 85.0534, 46.9338



### Deuteranopia

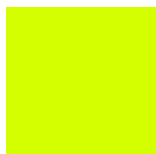
82.0480, 84.6597, 71.6911



## Tritanopia

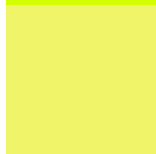
81.9385, 85.1120, 106.7174

# Trichromacy



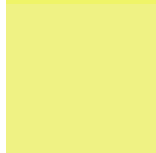
## Original Color

62.9114, 85.5170, 13.1907



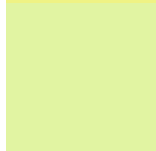
## Protanomaly

70.4460, 84.0516, 25.6074



## Deuteranomaly

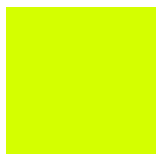
71.5136, 83.5209, 34.1818



## Tritanomaly

69.9236, 83.3176, 46.5789

# Monochromacy



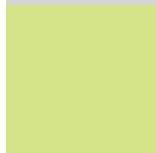
## Original Color

62.9114, 85.5170, 13.1907



## Achromatopsia

63.2451, 66.5387, 72.4607



## Achromatomaly

59.6279, 71.4105, 33.9334

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9114, 85.5170, 13.1907 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(212, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 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(212, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9114, 85.5170, 13.1907 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(212, 255, 0) }
```



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

```
.border{ border-color:rgb(212, 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(212, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9114, 85.5170, 13.1907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 0) }
```

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

```
.background{ background-color: rgb(212,  
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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