

# Converting Colors

XYZ(61.5814, 82.2672, 16.7431)

Have a look what the booklet for  
XYZ(61.5814, 82.2672, 16.7431)  
contains.

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# Color

**XYZ(61.5534, 82.3886,  
16.7961)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D2FA3B
RGB	210, 250, 59
RGB Percent	82%, 98%, 23%
CMY	0.1765, 0.0196, 0.7686
CMYK	0.16, 0.00, 0.76, 0.02
HSL	73°, 95%, 61%
HSV	73°, 76%, 98%
XYZ	61.5534, 82.3886, 16.7961
YIQ	216.2660, 37.4710, -67.8810

# Conversions

## Conversions Part 2

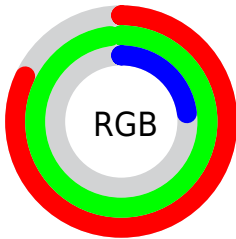
Format	Color
<a href="#">RYB</a>	<a href="#">59, 250, 99</a>
Decimal	<a href="#">13826619</a>
CIELab	<a href="#">92.75, -36.15, 80.23</a>
CIELCh	<a href="#">93, 87.997, 114.252</a>
Yxy	<a href="#">82.3886, 0.3829, 0.5126</a>
Android (android.graphics.Color)	<a href="#">4292016699 (0xFFD2FA3B)</a>
YUV	<a href="#">216.2660, -77.5321, -5.4953</a>
Hunter-Lab	<a href="#">90.7682, -37.7965, 52.5665</a>

# Details

The XYZ color **61.5534, 82.3886, 16.7961** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **23.9679, 12.6848, 91.6325**, and the grayscale version is **65.9486, 69.3831, 75.5582**.

A 20% lighter version of the original color is **80.4512, 94.1605, 32.0237**, and **31.8325, 44.7192, 6.9539** is the 20% darker color. If you saturate the color by 10%, you get **59.5878, 81.4359, 14.0921**, and if you desaturate by 10%, it is **63.8818, 83.4980, 21.1392**.

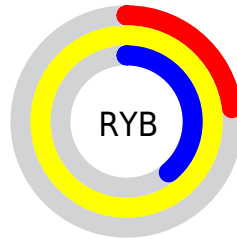
# Distribution



Red (82%)

Green (98%)

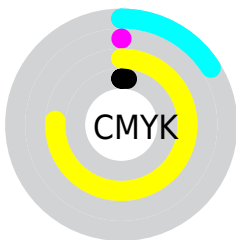
Blue (23%)



Red (23%)

Yellow (98%)

Blue (39%)

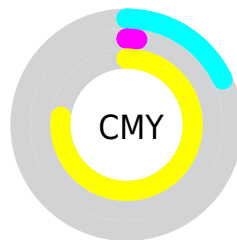


Cyan (16%)

Magenta (0%)

Yellow (76%)

Black (2%)



Cyan (18%)

Magenta (2%)


Yellow (77%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5534, 82.3886, 16.7961 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 61.5534, 82.3886, 16.7961 by changing the saturation by 10% instead.




 61.5534, 82.3886,  
16.7961


 61.5534, 82.3886,  
16.7961


420.0437,  
502.9466, 245.9987

 44.9262, 61.6859,  
9.9288


 106.1734,  
136.7188, 38.7607


 31.6003, 44.7789,  
5.2468


 134.8969,  
171.1151, 54.6951


 21.2105, 31.2833,  
2.3315


 168.3831,  
210.8448, 74.4889

 13.3913, 20.8147,  
0.7488

 206.9975,  
256.2921, 98.5607

 7.7774, 12.9886,  
0.0000

 251.1054,  
307.8416, 127.3291

 4.0034, 7.4207,  
0.0000

301.0722,

 1.7041, 3.7266,

365.8776, 161.2125

0.0000

357.2632,  
430.7844, 200.6295

■ 0.4588, 1.5218,  
0.0000

■ 0.0000, 0.3040,  
0.0000

■ 61.5534, 82.3886,  
16.7961

■ 61.5534, 82.3886,  
16.7961

■ 59.5878, 81.4359,  
14.0921

■ 63.8818, 83.4980,  
21.1392


■ 57.9299, 80.6089,  
12.7645


■ 66.6068, 84.7688,  
27.3222

■ 57.3813, 80.3317,  
12.4813


■ 69.7642, 86.2182,  
35.5228

■ 73.3840, 87.8584,  
45.8965

 77.4932, 89.7002,  
58.5833

 82.1165, 91.7536,  
73.7117

 87.2771, 94.0278,  
91.4006

 92.3434, 96.2703,  
108.3227

 93.4774, 96.8549,  
108.3758

# Harmonies

## Analogous

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



82.8084, 82.3886, 13.5853



61.5534, 82.3886, 16.7961



47.6907, 82.3886, 34.2994

# Triad

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



61.5534, 82.3886, 16.7961



55.2646, 82.3886, 236.2240



130.8964, 82.3886, 102.9610

# Complementary

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



61.5534, 82.3886, 16.7961



23.9679, 12.6848, 91.6325

# 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.



119.8326, 82.3886, 185.5816



61.5534, 82.3886, 16.7961



73.9734, 82.3886, 283.2019

# Square

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



61.5534, 82.3886, 16.7961



44.5870, 82.3886, 152.2331



97.8562, 82.3886, 261.1767



125.7943, 82.3886, 47.1847



# Rectangle

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



61.5534, 82.3886, 16.7961



43.0679, 82.3886, 59.6078



97.8562, 82.3886, 261.1767



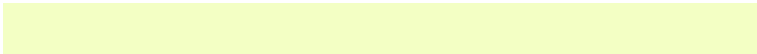
128.8875, 82.3886, 128.5399

# Sweetspot

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



61.5553, 82.3923, 16.7978



82.6276, 94.5255, 66.3240



44.5100, 29.2288, 7.4346



17.3260, 20.0721, 13.0406



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.



61.5553, 82.3923, 16.7978



61.3048, 84.6738, 13.7932



42.2205, 72.4249, 15.8930



18.3506, 19.9965, 18.3549



30.5595, 42.6723, 6.6259



2.9164, 3.9966, 0.6177



# Inverse Universe

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



23.9679, 12.6848, 91.6325



20.8000, 9.0196, 95.2524



40.7383, 21.3303, 92.4174



16.6227, 16.8181, 21.7554



10.0095, 4.1028, 48.2379

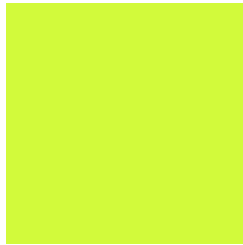


1.0110, 0.4233, 4.4716



# Previews

## White Background



This preview shows how the XYZ color 61.5534, 82.3886, 16.7961 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

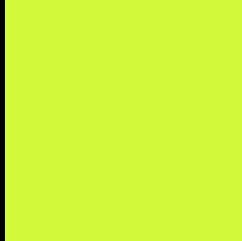
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5534, 82.3886, 16.7961 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 61.5534, 82.3886, 16.7961**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.5534, 82.3886, 16.7961.



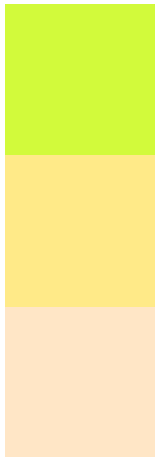
This preview shows how white text looks on a background with the XYZ color 61.5534, 82.3886,



# 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

61.5534, 82.3886, 16.7961

### Protanopia

75.1068, 81.8832, 35.1390

### Deuteranopia

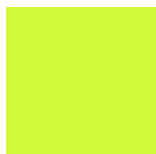
79.7299, 81.9308, 65.0381



## Tritanopia

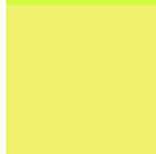
78.8646, 81.9009, 102.9186

# Trichromacy



## Original Color

61.5534, 82.3886, 16.7961



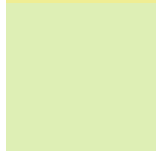
## Protanomaly

69.4635, 81.7536, 26.3063



## Deuteranomaly

71.1473, 81.0257, 39.4934



## Tritanomaly

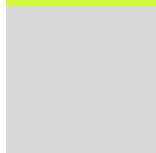
69.3312, 80.5988, 55.6190

# Monochromacy



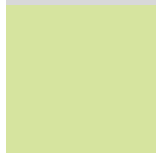
## Original Color

61.5534, 82.3886, 16.7961



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

61.7330, 72.2861, 43.4998

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5534, 82.3886, 16.7961 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, 250, 59)` looks like.

```
.text, #text, p{  
    color:rgb(210, 250, 59)  
}
```

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, 250, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 250, 59) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5534, 82.3886, 16.7961 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, 250, 59) }
```



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

```
.border{ border-color:rgb(210, 250, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 250, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 250, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 250, 59);  
box-shadow:4px 4px 4px 4px rgb(210, 250,  
59) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5534, 82.3886, 16.7961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 250, 59) }
```

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

```
.background{ background-color: rgb(210,  
250, 59) }
```

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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