

# Converting Colors

XYZ(61.6300, 78.8220, 14.9110)

Have a look what the booklet for  
XYZ(61.6300, 78.8220, 14.9110)  
contains.

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# Color

**XYZ(61.5199, 78.7861,  
14.8705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF231
RGB	219, 242, 49
RGB Percent	86%, 95%, 19%
CMY	0.1412, 0.0510, 0.8078
CMYK	0.10, 0.00, 0.80, 0.05
HSL	67°, 88%, 57%
HSV	67°, 80%, 95%
XYZ	61.5199, 78.7861, 14.8705
YIQ	213.1210, 48.2450, -64.8990

# Conversions

## Conversions Part 2

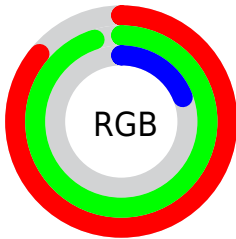
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	49, 242, 72
Decimal	14414385
CIE Lab	91.14, -29.29, 81.72
CIE LCh	91, 86.814, 109.718
Yxy	78.7861, 0.3965, 0.5077
Android (android.graphics.Color)	4292604465 (0xFFDBF231)
YUV	213.1210, -80.9117, 5.1559
Hunter-Lab	88.7615, -31.6158, 52.2000

# Details

The XYZ color **61.5199, 78.7861, 14.8705** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.8003, 9.9869, 84.8933**, and the grayscale version is **63.8313, 67.1555, 73.1323**.

A 20% lighter version of the original color is **79.9806, 93.9723, 29.5458**, and **32.0561, 42.5914, 6.5314** is the 20% darker color. If you saturate the color by 10%, you get **60.2800, 78.1936, 12.8247**, and if you desaturate by 10%, it is **63.0522, 79.5031, 18.3623**.

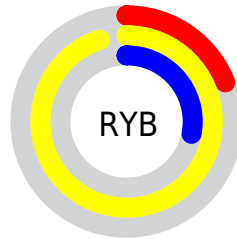
# Distribution



Red (86%)

Green (95%)

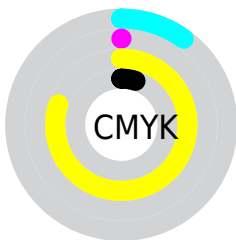
Blue (19%)



Red (19%)

Yellow (95%)

Blue (28%)

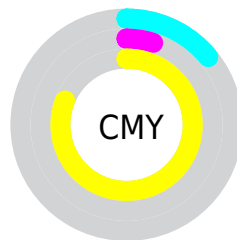


Cyan (10%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (14%)

Magenta (5%)


Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.5199, 78.7861, 14.8705 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 61.5199, 78.7861, 14.8705 by changing the saturation by 10% instead.





 61.5199, 78.7861,  
14.8705

 61.5199, 78.7861,  
14.8705


419.9232,  
490.8324, 234.1948


 44.8990, 58.7200,  
8.5829


 106.1252,  
131.6577, 35.3649

 31.5788, 42.3877,  
4.3771


 134.8403,  
165.2319, 50.4089


 21.1940, 29.4050,  
1.8344


 168.3176,  
204.0777, 69.2087

 13.3791, 19.3874,  
0.4505

 206.9223,  
248.5793, 92.1829

 7.7689, 11.9506,  
0.0000

 251.0199,  
299.1212, 119.7501

 3.9980, 6.7100,  
0.0000

300.9757,

 1.7010, 3.2814,

356.0877, 152.3288

0.0000

357.1550,  
419.8633, 190.3375

■ 0.4569, 1.2804,  
0.0000

■ 0.0000, 0.1259,  
0.0000

■ 61.5199, 78.7861,  
14.8705

■ 61.5199, 78.7861,  
14.8705

■ 60.2800, 78.1936,  
12.8247

■ 63.0522, 79.5031,  
18.3623


■ 59.2644, 77.6897,  
11.8895


■ 64.9102, 80.3491,  
23.4976


■ 59.2401, 77.6775,  
11.8710

■ 67.1280, 81.3409,  
30.4486


■ 69.7340, 82.4897,  
39.3641

 72.7536, 83.8057,  
50.3779

 76.2102, 85.2983,  
63.6119

 80.1251, 86.9760,  
79.1787

 84.5184, 88.8469,  
97.1833

 87.4475, 90.1339,  
107.3963

# Harmonies

## Analogous

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



82.6782, 78.7861, 13.3264



61.5199, 78.7861, 14.8705



47.0656, 78.7861, 28.9391

# Triad

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



61.5199, 78.7861, 14.8705



50.7626, 78.7861, 215.0888



124.5984, 78.7861, 109.2365

# Complementary

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



61.5199, 78.7861, 14.8705



19.8003, 9.9869, 84.8933

# 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.



111.9429, 78.7861, 190.1561



61.5199, 78.7861, 14.8705



67.5954, 78.7861, 268.3090

# Square

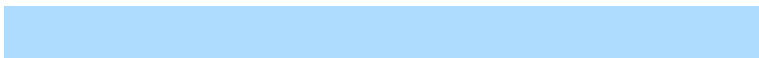
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



61.5199, 78.7861, 14.8705



41.7481, 78.7861, 133.4038



90.0552, 78.7861, 257.4466



122.0908, 78.7861, 51.1064



# Rectangle

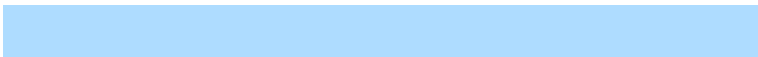
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



61.5199, 78.7861, 14.8705



41.8447, 78.7861, 50.3169



90.0552, 78.7861, 257.4466



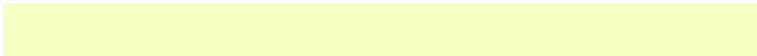
121.8936, 78.7861, 134.9139

# Sweetspot

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



61.5217, 78.7897, 14.8721



84.0818, 95.3085, 64.8860



39.4614, 23.6738, 5.3964



17.7036, 20.2731, 12.7705



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.



61.5217, 78.7897, 14.8721



67.1227, 87.6816, 13.6794



40.4757, 67.9401, 13.8872



16.9266, 18.3578, 16.8010



31.8996, 41.7664, 6.3804



2.7056, 3.5013, 0.5332



# Inverse Universe

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



19.8003, 9.9869, 84.8933



19.0120, 7.8803, 95.1267



33.2802, 16.9360, 85.5242



15.0723, 15.3190, 19.8841



8.9382, 3.6132, 45.3542

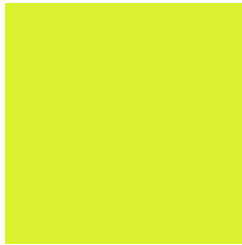


0.8000, 0.3297, 3.7757



# Previews

## White Background



This preview shows how the XYZ color 61.5199, 78.7861, 14.8705 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

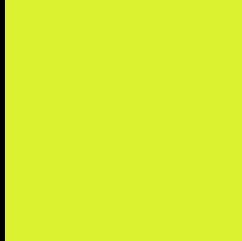
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.5199, 78.7861, 14.8705 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 61.5199, 78.7861, 14.8705

## Background



This preview shows how black text looks on a background with the XYZ color 61.5199, 78.7861, 14.8705.



This preview shows how white text looks on a background with the XYZ color 61.5199, 78.7861,



# 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

61.5199, 78.7861, 14.8705

### Protanopia

71.4251, 78.6090, 21.3061

### Deuteranopia

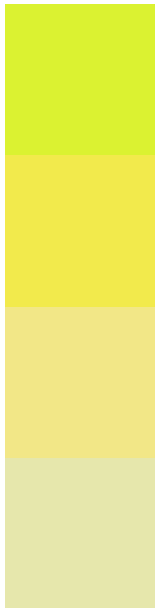
76.5474, 78.0320, 56.3746



## Tritanopia

77.6949, 78.1544, 95.7844

# Trichromacy



## Original Color

61.5199, 78.7861, 14.8705

## Protanomaly

67.3453, 78.2447, 18.3907

## Deuteranomaly

69.5670, 77.7783, 34.2678

## Tritanomaly

68.6554, 76.9534, 50.2647

# Monochromacy



## Original Color

61.5199, 78.7861, 14.8705

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

60.4298, 70.0583, 40.4746

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.5199, 78.7861, 14.8705 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(219, 242, 49)` looks like.

```
.text, #text, p{  
    color:rgb(219, 242, 49)  
}
```

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(219, 242, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 242, 49) }
```

## Border

The CSS property to change the border of an element to XYZ 61.5199, 78.7861, 14.8705 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(219, 242, 49) }
```



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

```
.border{ border-color:rgb(219, 242, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 242, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 242, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 242, 49);  
box-shadow:4px 4px 4px 4px rgb(219, 242,  
49) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.5199, 78.7861, 14.8705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 242, 49) }
```

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

```
.background{ background-color: rgb(219,  
242, 49) }
```

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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