

Converting Colors

XYZ(61.9643, 78.2611, 28.9813)

Have a look what the booklet for
XYZ(61.9643, 78.2611, 28.9813)
contains.

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Color

**XYZ(61.8767, 78.2156,
28.9754)**

Conversions

Conversions Part 1

Format	Color
Hex	D4F176
RGB	212, 241, 118
RGB Percent	83%, 95%, 46%
CMY	0.1686, 0.0549, 0.5372
CMYK	0.12, 0.00, 0.51, 0.05
HSL	74°, 81%, 70%
HSV	74°, 51%, 95%
XYZ	61.8767, 78.2156, 28.9754
YIQ	218.3070, 22.1990, -44.4010

Conversions

Conversions Part 2

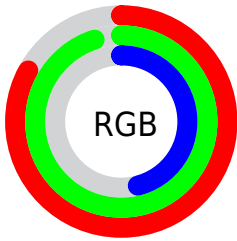
Format	Color
R _Y B	118, 241, 147
Decimal	13955446
CIE Lab	90.88, -27.34, 55.63
CIE LCh	91, 61.984, 116.171
Yxy	78.2156, 0.3660, 0.4626
Android (android.graphics.Color)	4292145526 (0xFFD4F176)
YUV	218.3070, -49.4514, -5.5312
Hunter-Lab	88.4396, -29.8819, 42.4826

Details

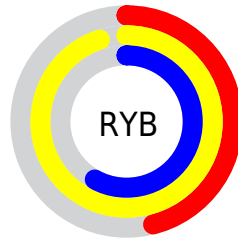
The XYZ color **61.8767, 78.2156, 28.9754** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.3911, 25.5128, 86.3354**, and the grayscale version is **67.1743, 70.6726, 76.9625**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **31.8207, 42.0481, 11.4400** is the 20% darker color. If you saturate the color by 10%, you get **59.0146, 76.8876, 22.2972**, and if you desaturate by 10%, it is **65.1661, 79.7267, 37.5863**.

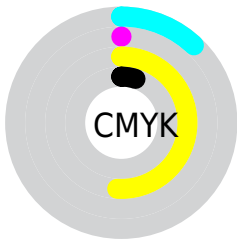
Distribution



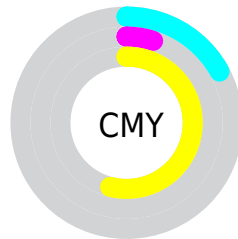
- Red (83%)
- Green (95%)
- Blue (46%)



- Red (46%)
- Yellow (95%)
- Blue (58%)



- Cyan (12%)
- Magenta (0%)
- Yellow (51%)
- Black (5%)





- Cyan (17%)
- Magenta (5%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8767, 78.2156, 28.9754 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 61.8767, 78.2156, 28.9754 by changing the saturation by 10% instead.


 61.8767, 78.2156,
28.9754

 61.8767, 78.2156,
28.9754


421.2059,
488.8987, 311.1562


 45.1883, 58.2511,
18.8168


 106.6383,
130.8540, 59.0797

 31.8077, 42.0106,
11.3625


 135.4421,
164.2967, 79.8625

 21.3695, 29.1096,
6.1940


 169.0152,
203.0009, 105.0238

 13.5083, 19.1637,
2.8927

207.7228,
247.3511, 134.9821

 7.8589, 11.7886,
1.0401

251.9303,
297.7315, 170.1559

 4.0559, 6.5999,
0.0000

302.0031,

 1.7338, 3.2132,

354.5267, 210.9638

0.0000

358.3065,
418.1210, 257.8244

0.4773, 1.2440,
0.0000

0.0000, 0.0972,
0.0000

61.8767, 78.2156,
28.9754

61.8767, 78.2156,
28.9754

59.0146, 76.8876,
22.2972

65.1661, 79.7267,
37.5863

56.5452, 75.7204,
17.3969


68.9032, 81.4209,
48.2591


54.4371, 74.7044,
14.1043


73.1136, 83.3112,
61.1174

52.6505, 73.8234,
12.2134

77.8193, 85.4065,
76.2739

 51.2656, 73.1257,
11.4127

 83.0408, 87.7150,
93.8334

 87.5480, 89.7448,
107.3160

 89.5733, 90.7889,
107.4107

 90.7470, 91.3940,
107.4657

Harmonies

Analogous

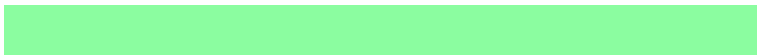
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.3637, 78.2156, 24.9749



61.8767, 78.2156, 28.9754



52.0966, 78.2156, 45.7194

Triad

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



61.8767, 78.2156, 28.9754



58.8558, 78.2156, 178.3593



108.4815, 78.2156, 91.0329

Complementary

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



61.8767, 78.2156, 28.9754



34.3911, 25.5128, 86.3354

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.



102.1588, 78.2156, 142.5268



61.8767, 78.2156, 28.9754



72.3555, 78.2156, 202.9093

Square

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



61.8767, 78.2156, 28.9754



50.5314, 78.2156, 128.9679



88.3772, 78.2156, 187.9204



104.6559, 78.2156, 52.6053

Rectangle

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



61.8767, 78.2156, 28.9754



48.8448, 78.2156, 66.2286



88.3772, 78.2156, 187.9204



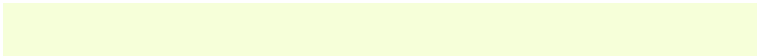
107.4519, 78.2156, 107.4017

Sweetspot

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



61.8786, 78.2191, 28.9771



86.2509, 96.1060, 79.4797



49.9355, 40.7853, 22.3811



18.2194, 20.4629, 16.2331



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.



61.8786, 78.2191, 28.9771



67.0427, 87.3842, 25.2508



47.4534, 70.7826, 28.3020



16.7373, 18.2603, 16.7921



27.9241, 39.7170, 6.1944



2.4099, 3.3489, 0.5194

Inverse Universe

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



34.3911, 25.5128, 86.3354



32.7292, 21.4744, 97.0277



48.4270, 32.7485, 86.9923



15.2462, 15.4086, 19.8922



9.6185, 3.9639, 45.3860



0.8856, 0.3738, 3.7797

Previews

White Background



This preview shows how the XYZ color 61.8767, 78.2156, 28.9754 looks on a white background.

Color Contrast Check

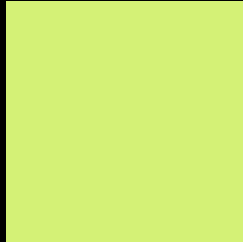
Large Text (above 18pt) WCAG AA × Fail

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 61.8767, 78.2156, 28.9754 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 61.8767, 78.2156, 28.9754

Background



This preview shows how black text looks on a background with the XYZ color 61.8767, 78.2156, 28.9754.



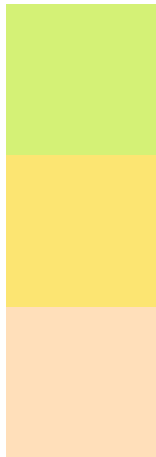
This preview shows how white text looks on a background with the XYZ color 61.8767, 78.2156,

28.9754.

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

61.8767, 78.2156, 28.9754

Protanopia

71.2015, 77.9490, 27.2125

Deuteranopia

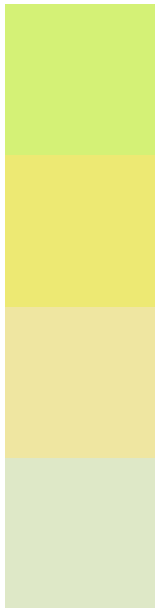
76.4906, 77.5805, 57.3974



Tritanopia

75.6291, 77.8616, 97.4289

Trichromacy



Original Color

61.8767, 78.2156, 28.9754

Protanomaly

67.1585, 77.5202, 27.6429

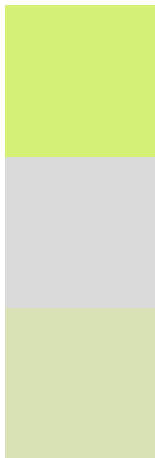
Deuteranomaly

70.3264, 77.5176, 44.9740

Tritanomaly

69.2896, 77.3663, 65.3141

Monochromacy



Original Color

61.8767, 78.2156, 28.9754

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

63.9588, 72.3690, 54.8536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8767, 78.2156, 28.9754 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, 241, 118)` looks like.

```
.text, #text, p{  
    color:rgb(212, 241, 118)  
}
```

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, 241, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 241, 118) }
```

Border

The CSS property to change the border of an element to XYZ 61.8767, 78.2156, 28.9754 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, 241, 118) }
```


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

```
.border{ border-color:rgb(212, 241, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 241, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 241, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 241, 118);  
box-shadow:4px 4px 4px 4px rgb(212, 241,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8767, 78.2156, 28.9754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 241, 118) }
```

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

```
.background{ background-color: rgb(212,  
241, 118) }
```

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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