

# Converting Colors

XYZ(61.8115, 77.7507, 28.5792)

Have a look what the booklet for  
XYZ(61.8115, 77.7507, 28.5792)  
contains.

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# Color

**XYZ(61.8115, 77.7507,  
28.5792)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F075
RGB	213, 240, 117
RGB Percent	84%, 94%, 46%
CMY	0.1647, 0.0588, 0.5412
CMYK	0.11, 0.00, 0.51, 0.06
HSL	73°, 80%, 70%
HSV	73°, 51%, 94%
XYZ	61.8115, 77.7507, 28.5792
YIQ	217.9050, 23.3910, -43.9770

# Conversions

## Conversions Part 2

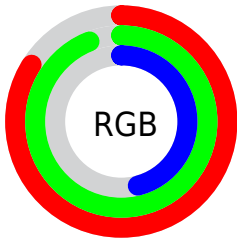
Format	Color
<b>R<sub>YB</sub></b>	117, 240, 144
Decimal	14020725
CIE <sub>Lab</sub>	90.67, -26.58, 55.85
CIE <sub>LCh</sub>	91, 61.853, 115.446
Yxy	77.7507, 0.3676, 0.4624
Android (android.graphics.Color)	4292210805 (0xFFD5F075)
YUV	217.9050, -49.7462, -4.3017
Hunter-Lab	88.1764, -29.1804, 42.5067

# Details

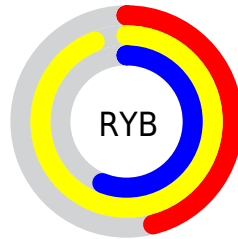
The XYZ color **61.8115, 77.7507, 28.5792** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.5941, 24.9452, 85.4870**, and the grayscale version is **66.8977, 70.3815, 76.6455**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **31.7480, 41.7078, 11.0797** is the 20% darker color. If you saturate the color by 10%, you get **59.0743, 76.4848, 22.0061**, and if you desaturate by 10%, it is **64.9639, 79.1939, 37.0629**.

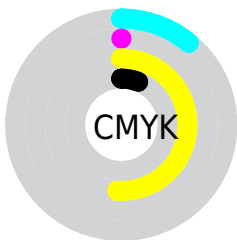
# Distribution



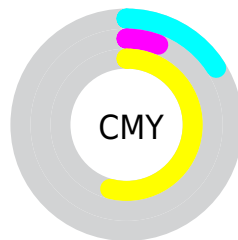
- Red (84%)
- Green (94%)
- Blue (46%)



- Red (46%)
- Yellow (94%)
- Blue (56%)



- Cyan (11%)
- Magenta (0%)
- Yellow (51%)
- Black (6%)




- Cyan (16%)
- Magenta (6%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.8115, 77.7507, 28.5792 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 61.8115, 77.7507, 28.5792 by changing the saturation by 10% instead.




 61.8115, 77.7507,  
28.5792


 61.8115, 77.7507,  
28.5792


420.9717,  
487.3198, 309.2229

 45.1354, 57.8692,  
18.5199


 106.5445,  
130.1986, 58.4420

 31.7658, 41.7035,  
11.1506


 135.3322,  
163.5339, 79.0826

 21.3374, 28.8692,  
6.0528


 168.8878,  
202.1225, 104.0874

 13.4847, 18.9819,  
2.8079

207.5766,  
246.3488, 133.8749

 7.8425, 11.6572,  
0.9974

251.7641,  
296.5973, 168.8637

 4.0453, 6.5107,  
0.0000

301.8155,

 1.7278, 3.1580,

353.2524, 209.4722

0.0000

358.0962,  
416.6984, 256.1191

■ 0.4736, 1.2148,  
0.0000

■ 0.0000, 0.0737,  
0.0000

■ 61.8115, 77.7507,  
28.5792

■ 61.8115, 77.7507,  
28.5792

■ 59.0743, 76.4848,  
22.0061

■ 64.9639, 79.1939,  
37.0629

■ 56.7180, 75.3743,  
17.1899

■ 68.5515, 80.8142,  
47.5852


■ 54.7115, 74.4093,  
13.9616


■ 72.5997, 82.6245,  
60.2688

■ 53.0155, 73.5740,  
12.1165


■ 77.1301, 84.6337,  
75.2254

 51.7313, 72.9277,  
11.3499

 82.1629, 86.8498,  
92.5589

 86.7345, 88.8874,  
107.1933

 88.5956, 89.8467,  
107.2804

 90.4518, 90.8037,  
107.3673

# Harmonies

## Analogous

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



76.2934, 77.7507, 24.8661



61.8115, 77.7507, 28.5792



51.9569, 77.7507, 44.8637

# Triad

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



61.8115, 77.7507, 28.5792



58.2411, 77.7507, 176.2921



107.7964, 77.7507, 91.6226

# Complementary

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



61.8115, 77.7507, 28.5792



33.5941, 24.9452, 85.4870

# 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.



101.2858, 77.7507, 142.9349



61.8115, 77.7507, 28.5792



71.5566, 77.7507, 201.5430

# Square

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



61.8115, 77.7507, 28.5792



50.1068, 77.7507, 126.9163



87.4693, 77.7507, 187.5855



104.2361, 77.7507, 53.0050



# Rectangle

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



61.8115, 77.7507, 28.5792



48.6273, 77.7507, 64.9551



87.4693, 77.7507, 187.5855



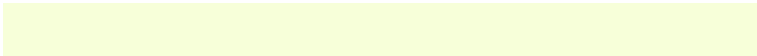
106.6903, 77.7507, 107.9880

# Sweetspot

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



61.8134, 77.7542, 28.5808



86.4694, 96.2186, 79.4899



49.0692, 39.6526, 21.8982



18.2723, 20.4902, 16.2356



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.



61.8134, 77.7542, 28.5808



67.8061, 87.7777, 25.2865



47.2946, 70.2695, 27.9014



16.7636, 18.2738, 16.7934



28.4353, 39.9805, 6.2183



2.4484, 3.3687, 0.5212



# Inverse Universe

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



33.5941, 24.9452, 85.4870



32.3229, 21.2649, 97.0087



47.3105, 32.0162, 86.1290



15.2218, 15.3960, 19.8911



9.4971, 3.9013, 45.3804

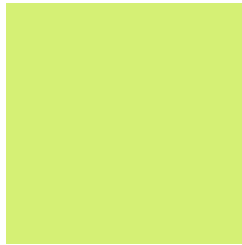


0.8724, 0.3670, 3.7791



# Previews

## White Background



This preview shows how the XYZ color 61.8115, 77.7507, 28.5792 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 61.8115, 77.7507, 28.5792 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

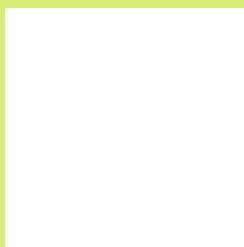
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 61.8115, 77.7507, 28.5792**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.8115, 77.7507, 28.5792.



This preview shows how white text looks on a background with the XYZ color 61.8115, 77.7507,



# 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

61.8115, 77.7507, 28.5792

### Protanopia

70.8689, 77.3745, 26.8224

### Deuteranopia

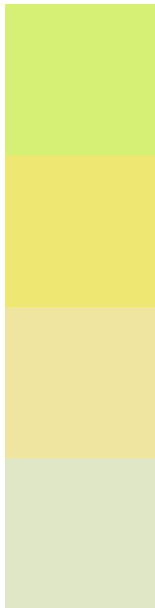
76.2794, 77.4960, 56.2853



## **Tritanopia**

75.5204, 77.4183, 96.5508

# Trichromacy



**Original Color**

61.8115, 77.7507, 28.5792

**Protanomaly**

67.1538, 77.1053, 27.2630

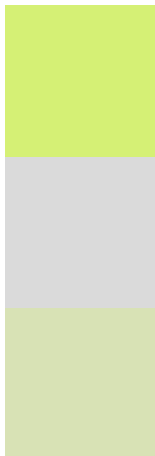
**Deuteranomaly**

70.2997, 77.1020, 44.4347

**Tritanomaly**

69.2004, 76.9170, 64.6253

# Monochromacy



**Original Color**

61.8115, 77.7507, 28.5792

**Achromatopsia**

66.6397, 70.1102, 76.3500

**Achromatomaly**

63.8557, 72.3278, 54.3112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.8115, 77.7507, 28.5792 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(213, 240, 117)` looks like.

```
.text, #text, p{  
    color:rgb(213, 240, 117)  
}
```

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(213, 240, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 240, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 61.8115, 77.7507, 28.5792 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(213, 240, 117) }
```



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

```
.border{ border-color:rgb(213, 240, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 240, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 240, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 240, 117);  
box-shadow:4px 4px 4px 4px rgb(213, 240,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.8115, 77.7507, 28.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 240, 117) }
```

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

```
.background{ background-color: rgb(213,  
240, 117) }
```

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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