

# Converting Colors

XYZ(62.4725, 77.0116, 37.9576)

Have a look what the booklet for  
XYZ(62.4725, 77.0116, 37.9576)  
contains.

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# Color

**XYZ(62.4725, 77.0116,  
37.9576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3EE90
RGB	211, 238, 144
RGB Percent	83%, 93%, 56%
CMY	0.1725, 0.0666, 0.4353
CMYK	0.11, 0.00, 0.39, 0.07
HSL	77°, 73%, 75%
HSV	77°, 39%, 93%
XYZ	62.4725, 77.0116, 37.9576
YIQ	219.2110, 14.0820, -34.9580

# Conversions

## Conversions Part 2

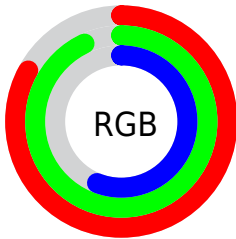
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 238, 171
Decimal	13889168
CIELab	90.33, -23.58, 42.56
CIElCh	90, 48.656, 118.982
Yxy	77.0116, 0.3521, 0.4340
Android (android.graphics.Color)	4292079248 (0xFFD3EE90)
YUV	219.2110, -37.0790, -7.2010
Hunter-Lab	87.7563, -26.5017, 35.7844

# Details

The XYZ color **62.4725, 77.0116, 37.9576** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.2036, 34.7796, 85.3822**, and the grayscale version is **67.7227, 71.2495, 77.5907**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **32.1773, 41.1972, 16.3811** is the 20% darker color. If you saturate the color by 10%, you get **58.9250, 75.3737, 29.2766**, and if you desaturate by 10%, it is **66.4907, 78.8527, 48.6654**.

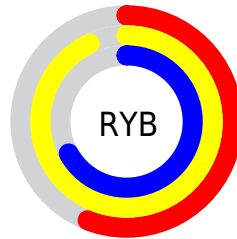
# Distribution



Red (83%)

Green (93%)

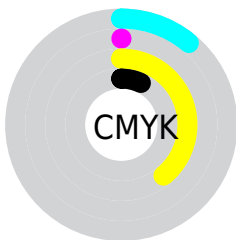
Blue (56%)



Red (56%)

Yellow (93%)

Blue (67%)

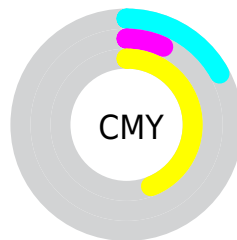


Cyan (11%)

Magenta (0%)

Yellow (39%)

Black (7%)



Cyan (17%)

Magenta (7%)

Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.4725, 77.0116, 37.9576 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 62.4725, 77.0116, 37.9576 by changing the saturation by 10% instead.



62.4725, 77.0116,  
37.9576

62.4725, 77.0116,  
37.9576

423.3427,  
484.8036, 352.7308

45.6716, 57.2624,  
25.6482

107.4942,  
129.1559, 73.2458

32.1903, 41.2159,  
16.3372

136.4458,  
162.3197, 97.0618

21.6632, 28.4879,  
9.6062

170.1783,  
200.7239, 125.5503

13.7248, 18.6937,  
5.0365

209.0572,  
244.7528, 159.1300

8.0099, 11.4492,  
2.2096

253.4477,  
294.7908, 198.2193

4.1532, 6.3698,  
0.6799

303.7152,

1.7891, 3.0712,

351.2224, 243.2369

0.0000

360.2251,  
414.4318, 294.6012

0.5111, 1.1690,  
0.0000

0.0000, 0.0362,  
0.0000

62.4725, 77.0116,  
37.9576

62.4725, 77.0116,  
37.9576

58.9250, 75.3737,  
29.2766

66.4907, 78.8527,  
48.6654

55.8172, 73.9186,  
22.4893


70.9969, 80.8961,  
61.5119


53.1227, 72.6382,  
17.4549


76.0147, 83.1539,  
76.6066

50.8097, 71.5196,  
14.0104


81.5642, 85.6344,  
94.0504


 48.8403, 70.5477,  
11.9626

 86.3480, 87.8188,  
107.0074

 47.1548, 69.6983,  
11.0022

 88.7804, 89.0727,  
107.1213

 47.0739, 69.6573,  
10.9642

 89.8662, 89.6325,  
107.1721

# Harmonies

## Analogous

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



73.6124, 77.0116, 33.2445



62.4725, 77.0116, 37.9576



54.9806, 77.0116, 53.9378

# Triad

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



62.4725, 77.0116, 37.9576



61.8289, 77.0116, 155.0737



99.0684, 77.0116, 85.0449

# Complementary

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



62.4725, 77.0116, 37.9576



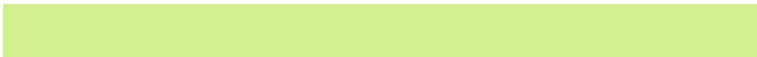
42.2036, 34.7796, 85.3822

# 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.



95.0494, 77.0116, 123.1787



62.4725, 77.0116, 37.9576



72.7836, 77.0116, 169.8911

# Square

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



62.4725, 77.0116, 37.9576



54.6389, 77.0116, 120.5415



85.0840, 77.0116, 156.8686



95.5435, 77.0116, 55.4841



# Rectangle

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



62.4725, 77.0116, 37.9576



52.6157, 77.0116, 71.7281



85.0840, 77.0116, 156.8686



98.5480, 77.0116, 97.2717

# Sweetspot

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



62.4744, 77.0150, 37.9592



87.3483, 96.5542, 84.8388



54.7905, 49.1807, 32.9916



18.5284, 20.5912, 17.6501



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

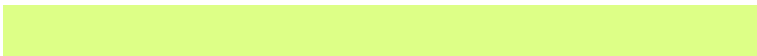


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.4744, 77.0150, 37.9592



69.8314, 88.5780, 36.3938



50.9968, 71.0981, 37.4221



16.6547, 18.2177, 16.7883



26.3950, 38.9287, 6.1228



2.2934, 3.2888, 0.5139



# Inverse Universe

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



42.2036, 34.7796, 85.3822



43.2221, 33.0893, 98.7166



54.2126, 40.9704, 85.9442



15.3238, 15.4486, 19.8958



10.0647, 4.1940, 45.4069

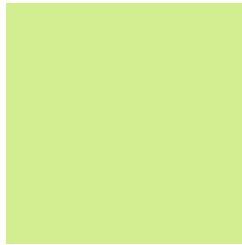


0.9319, 0.3977, 3.7819



# Previews

## White Background



This preview shows how the XYZ color 62.4725, 77.0116, 37.9576 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 62.4725, 77.0116, 37.9576 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

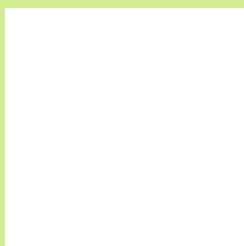
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 62.4725, 77.0116, 37.9576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.4725, 77.0116, 37.9576.



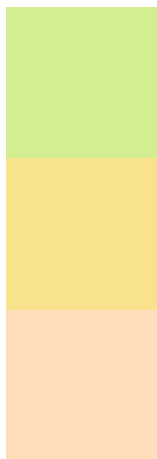
This preview shows how white text looks on a background with the XYZ color 62.4725, 77.0116,



# 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

62.4725, 77.0116, 37.9576

### Protanopia

70.9141, 76.7881, 35.8950

### Deuteranopia

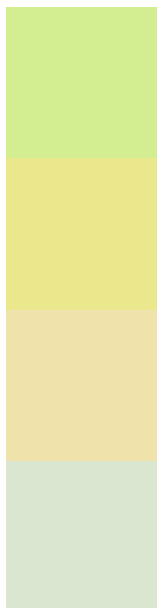
75.9594, 76.5181, 57.2203



## Tritanopia

74.2660, 76.7717, 96.4921

# Trichromacy



## Original Color

62.4725, 77.0116, 37.9576

## Protanomaly

67.6446, 76.7371, 36.4458

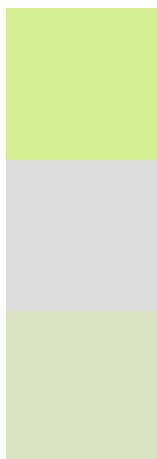
## Deuteranomaly

70.4164, 76.2292, 49.5304

## Tritanomaly

68.8954, 76.2078, 70.7529

# Monochromacy



## Original Color

62.4725, 77.0116, 37.9576

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

65.0297, 72.7974, 60.4930

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.4725, 77.0116, 37.9576 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(211, 238, 144)` looks like.

```
.text, #text, p{  
    color:rgb(211, 238, 144)  
}
```

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(211, 238, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 238, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 62.4725, 77.0116, 37.9576 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(211, 238, 144) }
```



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

```
.border{ border-color:rgb(211, 238, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 238, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(211, 238, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(211, 238, 144); box-shadow:4px 4px 4px 4px rgb(211, 238, 144) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.4725, 77.0116, 37.9576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 238, 144) }
```

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

```
.background{ background-color: rgb(211,  
238, 144) }
```

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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