

# Converting Colors

XYZ(61.3388, 72.4020, 38.2797)

Have a look what the booklet for  
XYZ(61.3388, 72.4020, 38.2797)  
contains.

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# Color

**XYZ(61.6047, 72.7441,  
38.3979)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8E593
RGB	216, 229, 147
RGB Percent	85%, 90%, 58%
CMY	0.1529, 0.1019, 0.4235
CMYK	0.06, 0.00, 0.36, 0.10
HSL	70°, 61%, 74%
HSV	70°, 36%, 90%
XYZ	61.6047, 72.7441, 38.3979
YIQ	215.7650, 18.5740, -28.2580

# Conversions

## Conversions Part 2

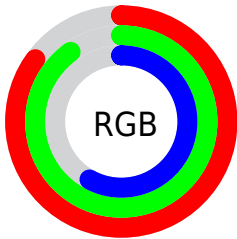
<b>Format</b>	<b>Color</b>
<b>RYB</b>	147, 229, 160
Decimal	14214547
CIELab	88.33, -16.97, 38.57
CIELCh	88, 42.139, 113.749
Yxy	72.7441, 0.3566, 0.4211
Android (android.graphics.Color)	4292404627 (0xFFD8E593)
YUV	215.7650, -33.9011, 0.2061
Hunter-Lab	85.2902, -20.3280, 33.0106

# Details

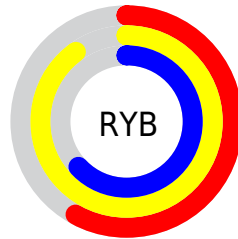
The XYZ color **61.6047, 72.7441, 38.3979** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.0765, 34.0001, 78.6359**, and the grayscale version is **65.3264, 68.7285, 74.8453**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **31.6988, 38.5719, 16.6009** is the 20% darker color. If you saturate the color by 10%, you get **58.9231, 71.5514, 29.8078**, and if you desaturate by 10%, it is **64.6714, 74.0986, 48.8761**.

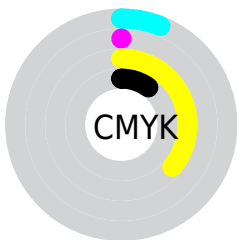
# Distribution



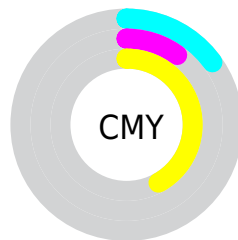
- Red (85%)
- Green (90%)
- Blue (58%)



- Red (58%)
- Yellow (90%)
- Blue (63%)



- Cyan (6%)
- Magenta (0%)
- Yellow (36%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.6047, 72.7441, 38.3979 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 61.6047, 72.7441, 38.3979 by changing the saturation by 10% instead.



61.6047, 72.7441,  
38.3979

61.6047, 72.7441,  
38.3979

420.2283,  
470.1274, 354.6730

44.9678, 53.7667,  
25.9874

106.2472,  
123.1139, 73.9278

31.6332, 38.4152,  
16.5886

134.9834,  
155.2750, 97.8843

21.2357, 26.3051,  
9.7827

168.4835,  
192.5996, 126.5265

13.4098, 17.0520,  
5.1514

207.1127,  
235.4720, 160.2731

7.7903, 10.2716,  
2.2761

251.2364,  
284.2766, 199.5425

4.0117, 5.5794,  
0.7178

301.2200,

1.7088, 2.5911,

339.3978, 244.7532

0.0000

357.4288,  
401.2199, 296.3239

0.4618, 0.9222,  
0.0000

0.0000, 0.0000,  
0.0000

61.6047, 72.7441,  
38.3979

61.6047, 72.7441,  
38.3979

58.9231, 71.5514,  
29.8078

64.6714, 74.0986,  
48.8761

56.5997, 70.5022,  
22.9889


68.1375, 75.6132,  
61.3409


54.6125, 69.5901,  
17.8183


72.0231, 77.2983,  
75.8895


52.9348, 68.8045,  
14.1556


76.3453, 79.1609,  
92.6113


 51.5352, 68.1329,  
11.8372


 80.0551, 80.7812,  
105.9807


 50.3752, 67.5597,  
10.6609

 81.2609, 81.4028,  
106.0372

 49.9333, 67.3380,  
10.3658

 82.4913, 82.0371,  
106.0947

 83.7464, 82.6842,  
106.1535

 85.0265, 83.3441,  
106.2134

# Harmonies

## Analogous

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



71.2791, 72.7441, 35.7560



61.6047, 72.7441, 38.3979



54.6208, 72.7441, 50.6382

# Triad

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



61.6047, 72.7441, 38.3979



58.2725, 72.7441, 133.1134



90.3186, 72.7441, 85.4229

# Complementary

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



61.6047, 72.7441, 38.3979



39.0765, 34.0001, 78.6359

# 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.



86.0305, 72.7441, 116.8937



61.6047, 72.7441, 38.3979



67.0463, 72.7441, 148.4292

# Square

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



61.6047, 72.7441, 38.3979



52.8321, 72.7441, 103.8068



77.2683, 72.7441, 141.8661



88.5021, 72.7441, 58.8356



# Rectangle

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



61.6047, 72.7441, 38.3979



52.1088, 72.7441, 64.6269



77.2683, 72.7441, 141.8661



89.5310, 72.7441, 95.8276

# Sweetspot

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



61.6065, 72.7474, 38.3994



89.2405, 97.4893, 86.7507



50.0318, 43.6662, 33.3963



18.9579, 20.8046, 18.0338



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.



61.6065, 72.7474, 38.3994



76.0270, 91.6849, 40.6197



51.1251, 67.3440, 37.9089



15.3653, 16.6954, 15.3171



28.6329, 38.5423, 5.9303



2.1764, 2.8793, 0.4411



# Inverse Universe

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



39.0765, 34.0001, 78.6359



43.2800, 35.3370, 99.1474



48.4786, 38.8470, 79.0760



13.7946, 13.9964, 18.1188



8.5736, 3.4857, 42.6041



0.6988, 0.2912, 3.1513



# Previews

## White Background



This preview shows how the XYZ color 61.6047, 72.7441, 38.3979 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 61.6047, 72.7441, 38.3979 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

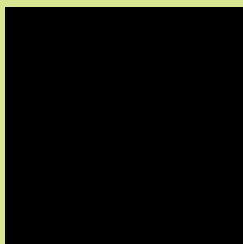
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 61.6047, 72.7441, 38.3979**

## **Background**



This preview shows how black text looks on a background with the XYZ color 61.6047, 72.7441, 38.3979.



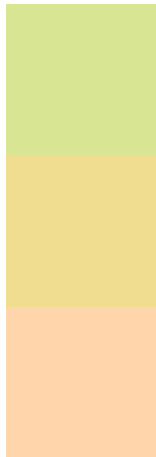
This preview shows how white text looks on a background with the XYZ color 61.6047, 72.7441,



# 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

61.6047, 72.7441, 38.3979

### Protanopia

67.1661, 72.4273, 36.8254

### Deuteranopia

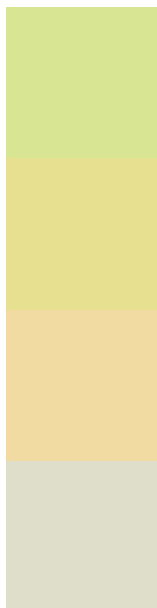
72.6373, 72.2934, 48.6537



## Tritanopia

71.7454, 72.4719, 88.8043

# Trichromacy



## Original Color

61.6047, 72.7441, 38.3979

## Protanomaly

65.0452, 72.5114, 37.3559

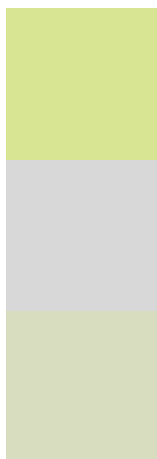
## Deuteranomaly

68.1287, 71.9724, 44.4837

## Tritanomaly

67.3322, 72.2423, 66.8953

# Monochromacy



## Original Color

61.6047, 72.7441, 38.3979

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.5793, 70.0734, 59.4647

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.6047, 72.7441, 38.3979 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(216, 229, 147)` looks like.

```
.text, #text, p{  
    color:rgb(216, 229, 147)  
}
```

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(216, 229, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 229, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 61.6047, 72.7441, 38.3979 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(216, 229, 147) }
```



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

```
.border{ border-color:rgb(216, 229, 147) }
```

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

Here you see how a box with a 4 pixel rgb(216, 229, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 229, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 229, 147);  
box-shadow:4px 4px 4px 4px rgb(216, 229,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.6047, 72.7441, 38.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 229, 147) }
```

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

```
.background{ background-color: rgb(216,  
229, 147) }
```

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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