

# Converting Colors

XYZ(60.6192, 72.6469, 29.1213)

Have a look what the booklet for  
XYZ(60.6192, 72.6469, 29.1213)  
contains.

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# Color

**XYZ(60.7231, 72.9042,  
29.2838)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE67A
RGB	218, 230, 122
RGB Percent	85%, 90%, 48%
CMY	0.1451, 0.0980, 0.5216
CMYK	0.05, 0.00, 0.47, 0.10
HSL	67°, 68%, 69%
HSV	67°, 47%, 90%
XYZ	60.7231, 72.9042, 29.2838
YIQ	214.1000, 27.5160, -36.1320

# Conversions

## Conversions Part 2

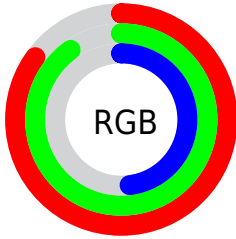
Format	Color
<b>RYB</b>	122, 230, 134
Decimal	14345850
CIELab	88.40, -19.37, 50.91
CIELCh	88, 54.468, 110.837
Yxy	72.9042, 0.3727, 0.4475
Android (android.graphics.Color)	4292535930 (0xFFDAE67A)
YUV	214.1000, -45.4053, 3.4203
Hunter-Lab	85.3840, -22.4768, 39.4343

# Details

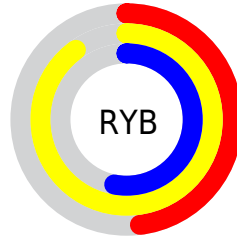
The XYZ color **60.7231, 72.9042, 29.2838** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **31.0766, 24.7024, 77.9974**, and the grayscale version is **64.2686, 67.6156, 73.6334**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **31.1334, 38.6792, 11.6193** is the 20% darker color. If you saturate the color by 10%, you get **58.7053, 72.0120, 22.6106**, and if you desaturate by 10%, it is **63.0935, 73.9440, 37.7367**.

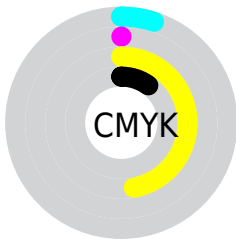
# Distribution



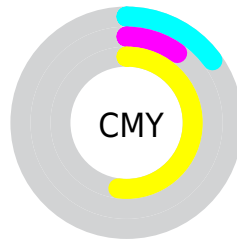
- Red (85%)
- Green (90%)
- Blue (48%)



- Red (48%)
- Yellow (90%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (47%)
- Black (10%)



- Cyan (15%)
- Magenta (10%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.7231, 72.9042, 29.2838 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 60.7231, 72.9042, 29.2838 by changing the saturation by 10% instead.



60.7231, 72.9042,  
29.2838

60.7231, 72.9042,  
29.2838

417.0501,  
470.6827, 312.6544

44.2534, 53.8976,  
19.0482

104.9783,  
123.3412, 59.5752

31.0686, 38.5198,  
11.5279

133.4945,  
155.5404, 80.4682

20.8031, 26.3864,  
6.3045

166.7570,  
192.9060, 105.7506

13.0918, 17.1129,  
2.9593

205.1310,  
235.8223, 135.8411

7.5692, 10.3150,  
1.0739

248.9820,  
284.6737, 171.1582

3.8700, 5.6083,  
0.0000

298.6753,

1.6289, 2.6084,

339.8447, 212.1204

0.0000

354.5762,  
401.7195, 259.1463

■ 0.4111, 0.9309,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.7231, 72.9042,  
29.2838

■ 60.7231, 72.9042,  
29.2838

■ 58.7053, 72.0120,  
22.6106

■ 63.0935, 73.9440,  
37.7367

■ 57.0106, 71.2478,  
17.5852


■ 65.8331, 75.1302,  
48.0796


■ 55.6133, 70.6040,  
14.0651


■ 68.9637, 76.4742,  
60.4192


■ 54.4813, 70.0676,  
11.8813


■ 72.5038, 77.9834,  
74.8528


 53.5731, 69.6221,  
10.8158


 76.4707, 79.6647,  
91.4717

 53.3204, 69.4962,  
10.6038

 80.0641, 81.1980,  
106.0607

 80.9066, 81.6323,  
106.1001

 81.7612, 82.0728,  
106.1401

 82.6280, 82.5197,  
106.1807

# Harmonies

## Analogous

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



73.3779, 72.9042, 27.3757



60.7231, 72.9042, 29.2838



51.5581, 72.9042, 42.0146

# Triad

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



60.7231, 72.9042, 29.2838



54.5868, 72.9042, 149.3852



97.2198, 72.9042, 91.4177

# Complementary

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



60.7231, 72.9042, 29.2838



31.0766, 24.7024, 77.9974

# 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.



90.6900, 72.9042, 134.1390



60.7231, 72.9042, 29.2838



65.3631, 72.9042, 173.8886

# Square

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



60.7231, 72.9042, 29.2838



48.3374, 72.9042, 107.8701



78.6341, 72.9042, 167.5687



95.5693, 72.9042, 56.4082



# Rectangle

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



60.7231, 72.9042, 29.2838



48.1400, 72.9042, 57.9975



78.6341, 72.9042, 167.5687



95.8810, 72.9042, 105.4623

# Sweetspot

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



60.7249, 72.9075, 29.2853



88.3807, 97.1654, 81.3217



44.5087, 34.9504, 22.8136



18.7172, 20.7120, 16.5993



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.



60.7249, 72.9075, 29.2853



74.3348, 91.0669, 29.0475



47.3710, 66.0234, 28.6604



15.4355, 16.7316, 15.3204



30.2502, 39.3761, 6.0060



2.2806, 2.9331, 0.4459



# Inverse Universe

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



31.0766, 24.7024, 77.9974



32.7795, 23.4475, 97.4059



41.6894, 30.1735, 78.4940



13.7308, 13.9635, 18.1159



8.3715, 3.3816, 42.5947



0.6685, 0.2756, 3.1499



# Previews

## White Background



This preview shows how the XYZ color 60.7231, 72.9042, 29.2838 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 60.7231, 72.9042, 29.2838 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

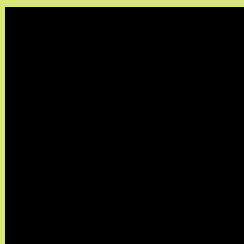
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 60.7231, 72.9042, 29.2838**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.7231, 72.9042, 29.2838.



This preview shows how white text looks on a background with the XYZ color 60.7231, 72.9042,



# 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

60.7231, 72.9042, 29.2838

### Protanopia

66.7593, 72.8076, 27.9874

### Deuteranopia

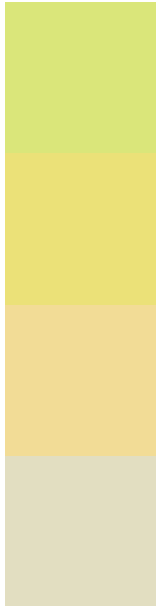
72.4234, 72.6141, 46.2752



## Tritanopia

72.6191, 72.5551, 88.0190

# Trichromacy



## Original Color

60.7231, 72.9042, 29.2838

## Protanomaly

64.5763, 72.8687, 28.4308

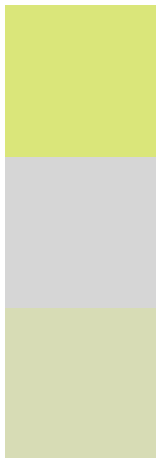
## Deuteranomaly

67.7162, 72.2657, 39.2338

## Tritanomaly

67.1109, 72.2616, 60.8628

# Monochromacy



## Original Color

60.7231, 72.9042, 29.2838

## Achromatopsia

63.9157, 67.2443, 73.2291

## Achromatomaly

61.9580, 68.9697, 53.7630

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.7231, 72.9042, 29.2838 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(218, 230, 122)` looks like.

```
.text, #text, p{  
    color:rgb(218, 230, 122)  
}
```

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(218, 230, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 230, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 60.7231, 72.9042, 29.2838 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(218, 230, 122) }
```



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

```
.border{ border-color:rgb(218, 230, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 230, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 230, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 230, 122);  
box-shadow:4px 4px 4px 4px rgb(218, 230,  
122) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.7231, 72.9042, 29.2838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 230, 122) }
```

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

```
.background{ background-color: rgb(218,  
230, 122) }
```

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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