

# Converting Colors

XYZ(60.4548, 75.2403, 29.4659)

Have a look what the booklet for  
XYZ(60.4548, 75.2403, 29.4659)  
contains.

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# Color

**XYZ(60.5980, 75.3684,  
29.4429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D4EC79
RGB	212, 236, 121
RGB Percent	83%, 93%, 47%
CMY	0.1686, 0.0745, 0.5255
CMYK	0.10, 0.00, 0.49, 0.07
HSL	73°, 75%, 70%
HSV	73°, 49%, 93%
XYZ	60.5980, 75.3684, 29.4429
YIQ	215.7140, 22.6110, -40.8530

# Conversions

## Conversions Part 2

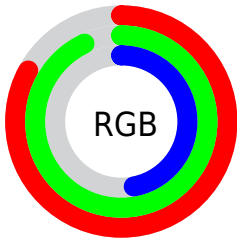
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 236, 145
Decimal	13954169
CIE <sub>Lab</sub>	89.57, -24.68, 52.68
CIE <sub>LCh</sub>	90, 58.175, 115.107
Yxy	75.3684, 0.3664, 0.4556
Android (android.graphics.Color)	4292144249 (0xFFD4EC79)
YUV	215.7140, -46.6940, -3.2572
Hunter-Lab	86.8150, -27.3308, 40.6626

# Details

The XYZ color **60.5980, 75.3684, 29.4429** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.6576, 25.7526, 82.5581**, and the grayscale version is **65.3742, 68.7787, 74.9000**.

A 20% lighter version of the original color is **84.8365, 95.9146, 55.1163**, and **30.8822, 40.0284, 11.5674** is the 20% darker color. If you saturate the color by 10%, you get **57.9262, 74.1408, 22.6655**, and if you desaturate by 10%, it is **63.6708, 76.7668, 38.0899**.

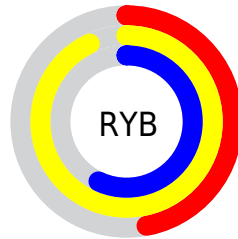
# Distribution



Red (83%)

Green (93%)

Blue (47%)



Red (47%)

Yellow (93%)

Blue (57%)

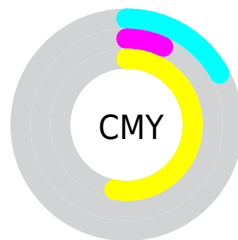


Cyan (10%)

Magenta (0%)

Yellow (49%)

Black (7%)



Cyan (17%)

Magenta (7%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.5980, 75.3684, 29.4429 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 60.5980, 75.3684, 29.4429 by changing the saturation by 10% instead.





 60.5980, 75.3684,  
29.4429

 60.5980, 75.3684,  
29.4429


416.5980,  
479.1829, 313.4251


 44.1521, 55.9148,  
19.1677


 104.7981,  
126.8337, 59.8306

 30.9885, 40.1346,  
11.6135


 133.2830,  
159.6142, 80.7801

 20.7419, 27.6435,  
6.3617


 166.5116,  
197.6057, 106.1248

 13.0469, 18.0571,  
2.9939

204.8493,  
241.1926, 136.2833

 7.5380, 10.9910,  
1.0915

248.6614,  
290.7594, 171.6740

 3.8501, 6.0608,  
0.0000

298.3134,

 1.6177, 2.8821,

346.6905, 212.7155

0.0000

354.1704,  
409.3701, 259.8263

0.4039, 1.0705,  
0.0000

0.0000, 0.0000,  
0.0000

60.5980, 75.3684,  
29.4429

60.5980, 75.3684,  
29.4429

57.9262, 74.1408,  
22.6655

63.6708, 76.7668,  
38.0899

55.6234, 73.0630,  
17.6146


67.1632, 78.3353,  
48.7261


53.6609, 72.1263,  
14.1340


71.0989, 80.0863,  
61.4669


52.0031, 71.3164,  
12.0375


75.4983, 82.0280,  
76.4174


 50.5971, 70.6120,  
11.0489


 80.3803, 84.1678,  
93.6757

 50.4274, 70.5264,  
10.9552

 84.5137, 86.0134,  
106.7556

 86.2235, 86.8949,  
106.8357

 87.9792, 87.7999,  
106.9178

 89.2871, 88.4742,  
106.9790

# Harmonies

## Analogous

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



74.0044, 75.3684, 25.9791



60.5980, 75.3684, 29.4429



51.3798, 75.3684, 44.7790

# Triad

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



60.5980, 75.3684, 29.4429



57.0397, 75.3684, 165.0050



102.6463, 75.3684, 88.9591

# Complementary

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



60.5980, 75.3684, 29.4429



33.6576, 25.7526, 82.5581

# 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.



96.6176, 75.3684, 135.8078



60.5980, 75.3684, 29.4429



69.3175, 75.3684, 188.0832

# Square

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



60.5980, 75.3684, 29.4429



49.5249, 75.3684, 120.1852



83.9377, 75.3684, 175.9288



99.5065, 75.3684, 52.9981



# Rectangle

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



60.5980, 75.3684, 29.4429



48.2282, 75.3684, 63.4557



83.9377, 75.3684, 175.9288



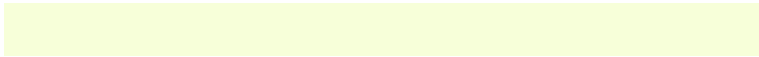
101.6040, 75.3684, 103.9936

# Sweetspot

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



60.5998, 75.3718, 29.4445



86.6152, 96.2937, 79.4967



48.0192, 39.1621, 23.1184



18.3077, 20.5085, 16.2373



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.



60.5998, 75.3718, 29.4445



69.1989, 88.4512, 27.3631



47.0630, 68.3933, 28.8110



16.0262, 17.4591, 16.0440



27.9063, 38.9307, 6.0436



2.2684, 3.0968, 0.4782



# Inverse Universe

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



33.6576, 25.7526, 82.5581



33.7949, 23.1572, 97.2963



46.2023, 32.2196, 83.1451



14.5250, 14.7004, 18.9942



9.1373, 3.7464, 43.9845



0.7957, 0.3345, 3.4575



# Previews

## White Background



This preview shows how the XYZ color 60.5980, 75.3684, 29.4429 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 60.5980, 75.3684, 29.4429 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

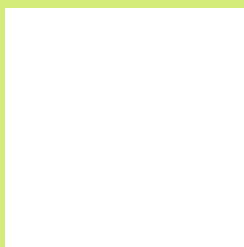
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.5980, 75.3684, 29.4429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.5980, 75.3684, 29.4429.



This preview shows how white text looks on a background with the XYZ color 60.5980, 75.3684,



# 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

60.5980, 75.3684, 29.4429

### Protanopia

68.8475, 75.0912, 27.6950

### Deuteranopia

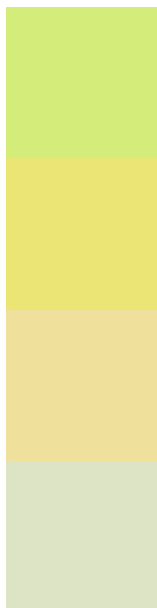
74.4080, 75.0576, 51.6401



## Tritanopia

73.4799, 75.2354, 93.0871

# Trichromacy



## Original Color

60.5980, 75.3684, 29.4429

## Protanomaly

65.5503, 75.0088, 28.1628

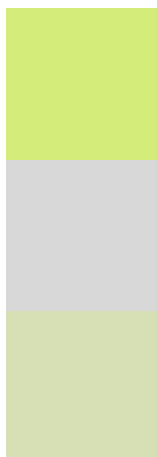
## Deuteranomaly

68.5226, 74.6014, 42.2405

## Tritanomaly

67.6402, 74.8902, 63.7136

# Monochromacy



## Original Color

60.5980, 75.3684, 29.4429

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

62.7525, 70.5586, 54.0278

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.5980, 75.3684, 29.4429 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, 236, 121)` looks like.

```
.text, #text, p{  
    color:rgb(212, 236, 121)  
}
```

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, 236, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 236, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 60.5980, 75.3684, 29.4429 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, 236, 121) }
```



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

```
.border{ border-color:rgb(212, 236, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 236, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 236, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 236, 121);  
box-shadow:4px 4px 4px 4px rgb(212, 236,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.5980, 75.3684, 29.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 236, 121) }
```

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

```
.background{ background-color: rgb(212,  
236, 121) }
```

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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