

# Converting Colors

XYZ(63.2799, 75.6258, 41.8339)

Have a look what the booklet for  
XYZ(63.2799, 75.6258, 41.8339)  
contains.

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# Color

**XYZ(63.2799, 75.6258,  
41.8339)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7EA9A
RGB	215, 234, 154
RGB Percent	84%, 92%, 60%
CMY	0.1569, 0.0823, 0.3961
CMYK	0.08, 0.00, 0.34, 0.08
HSL	74°, 66%, 76%
HSV	74°, 34%, 92%
XYZ	63.2799, 75.6258, 41.8339
YIQ	219.1990, 14.3560, -28.9080

# Conversions

## Conversions Part 2

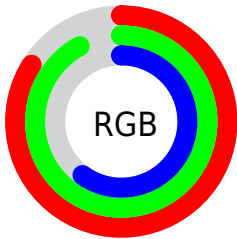
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 234, 173
Decimal	14150298
CIELab	89.69, -18.94, 36.82
CIElCh	90, 41.408, 117.227
Yxy	75.6258, 0.3501, 0.4184
Android (android.graphics.Color)	4292340378 (0xFFD7EA9A)
YUV	219.1990, -32.1431, -3.6825
Hunter-Lab	86.9631, -22.2974, 32.3525

# Details

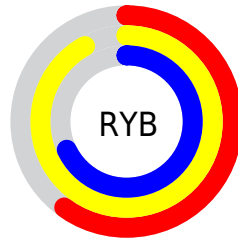
The XYZ color **63.2799, 75.6258, 41.8339** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.6434, 37.9380, 82.8687**, and the grayscale version is **67.6810, 71.2056, 77.5429**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **32.6167, 40.1710, 18.6051** is the 20% darker color. If you saturate the color by 10%, you get **59.9138, 74.0966, 32.4758**, and if you desaturate by 10%, it is **67.0853, 77.3424, 53.1987**.

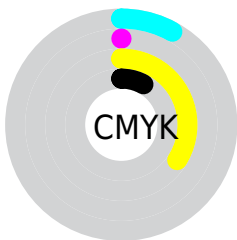
# Distribution



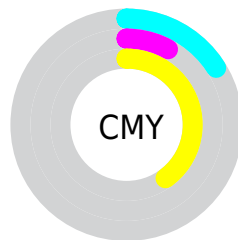
- Red (84%)
- Green (92%)
- Blue (60%)



- Red (60%)
- Yellow (92%)
- Blue (68%)



- Cyan (8%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)




- Cyan (16%)
- Magenta (8%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.2799, 75.6258, 41.8339 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 63.2799, 75.6258, 41.8339 by changing the saturation by 10% instead.




 63.2799, 75.6258,  
41.8339


 63.2799, 75.6258,  
41.8339


426.2281,  
480.0658, 369.5733

 46.3272, 56.1257,  
28.6467


 108.6528,  
127.1978, 79.2156

 32.7098, 40.3037,  
18.5704


 137.8036,  
160.0385, 104.2470

 22.0624, 27.7754,  
11.1866

171.7512,  
198.0949, 134.0637

 14.0196, 18.1564,  
6.0768

210.8610,  
241.7514, 169.0840

 8.2161, 11.0624,  
2.8223

255.4982,  
291.3923, 209.7266

 4.2865, 6.1088,  
1.0046

306.0282,

 1.8655, 2.9114,

347.4021, 256.4100

0.0000

362.8164,  
410.1651, 309.5527

■ 0.5566, 1.0856,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.2799, 75.6258,  
41.8339

■ 63.2799, 75.6258,  
41.8339

■ 59.9138, 74.0966,  
32.4758

■ 67.0853, 77.3424,  
53.1987

■ 56.9585, 72.7354,  
25.0028


■ 71.3451, 79.2446,  
66.6727

■ 54.3909, 71.5356,  
19.2877


■ 76.0807, 81.3436,  
82.3573


■ 52.1830, 70.4859,  
15.1854


■ 81.3104, 83.6469,  
100.3457


 50.3022, 69.5732,  
12.5280


 84.3659, 85.0871,  
106.5846

 48.7090, 68.7816,  
11.1103

 86.3115, 86.0901,  
106.6757

 47.8801, 68.3631,  
10.6719

 88.3157, 87.1233,  
106.7695

 88.7144, 87.3289,  
106.7881

# Harmonies

## Analogous

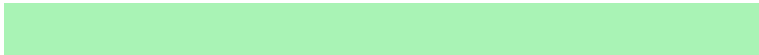
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.8325, 75.6258, 38.0366



63.2799, 75.6258, 41.8339



56.6264, 75.6258, 55.5408

# Triad

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



63.2799, 75.6258, 41.8339



61.7831, 75.6258, 139.1380



93.2898, 75.6258, 85.0895

# Complementary

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



63.2799, 75.6258, 41.8339



43.6434, 37.9380, 82.8687

# Split Complementary

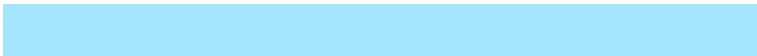
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6530, 75.6258, 116.6225



63.2799, 75.6258, 41.8339



70.9359, 75.6258, 152.1047

# Square

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



63.2799, 75.6258, 41.8339



55.8213, 75.6258, 110.7900



81.2261, 75.6258, 143.0266



90.7563, 75.6258, 59.2379



# Rectangle

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



63.2799, 75.6258, 41.8339



54.4083, 75.6258, 70.5455



81.2261, 75.6258, 143.0266



92.7411, 75.6258, 95.3889

# Sweetspot

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



63.2818, 75.6292, 41.8355



89.0191, 97.3343, 88.5909



54.6468, 49.5872, 37.2640



18.8826, 20.7576, 18.3991



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

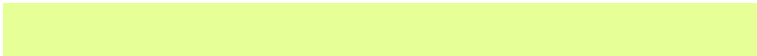


# Same Dimension

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



63.2818, 75.6292, 41.8355



73.9869, 90.5866, 42.6299



53.0122, 70.3350, 41.3549



15.9819, 17.4362, 16.0419



27.0219, 38.4748, 6.0022



2.2060, 3.0645, 0.4753



# Inverse Universe

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



43.6434, 37.9380, 82.8687



46.7719, 38.3238, 99.5398



53.7535, 43.1499, 83.3418



14.5662, 14.7216, 18.9961



9.3423, 3.8521, 43.9941

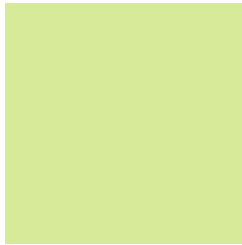


0.8172, 0.3456, 3.4585



# Previews

## White Background



This preview shows how the XYZ color 63.2799, 75.6258, 41.8339 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 63.2799, 75.6258, 41.8339 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

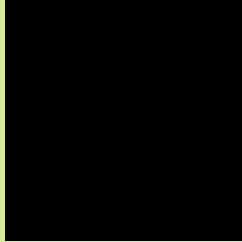
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.2799, 75.6258, 41.8339**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.2799, 75.6258, 41.8339.



This preview shows how white text looks on a background with the XYZ color 63.2799, 75.6258,



# 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

63.2799, 75.6258, 41.8339

### Protanopia

69.7385, 75.2855, 39.7101

### Deuteranopia

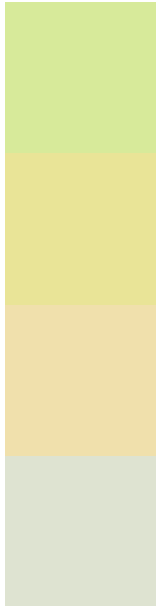
75.1188, 75.3419, 55.3830



## **Tritanopia**

73.6289, 75.2950, 93.8718

# Trichromacy



## Original Color

63.2799, 75.6258, 41.8339

## Protanomaly

66.9336, 75.0448, 40.2355

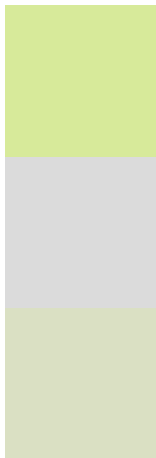
## Deuteranomaly

70.0372, 74.8151, 49.7791

## Tritanomaly

69.1019, 75.0712, 71.1697

# Monochromacy



## Original Color

63.2799, 75.6258, 41.8339

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

65.4194, 72.1569, 62.1095

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.2799, 75.6258, 41.8339 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(215, 234, 154)` looks like.

```
.text, #text, p{  
    color:rgb(215, 234, 154)  
}
```

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(215, 234, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 234, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 63.2799, 75.6258, 41.8339 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(215, 234, 154) }
```



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

```
.border{ border-color:rgb(215, 234, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 234, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 234, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 234, 154);  
box-shadow:4px 4px 4px 4px rgb(215, 234,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.2799, 75.6258, 41.8339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 234, 154) }
```

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

```
.background{ background-color: rgb(215,  
234, 154) }
```

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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