

# Converting Colors

XYZ(59.5390, 68.5414, 34.6455)

Have a look what the booklet for  
XYZ(59.5390, 68.5414, 34.6455)  
contains.

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# Color

**XYZ(59.4301, 68.4824,  
34.5122)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADD8B
RGB	218, 221, 139
RGB Percent	85%, 87%, 55%
CMY	0.1451, 0.1333, 0.4549
CMYK	0.01, 0.00, 0.37, 0.13
HSL	62°, 55%, 71%
HSV	62°, 37%, 87%
XYZ	59.4301, 68.4824, 34.5122
YIQ	210.7550, 24.5340, -26.1380

# Conversions

## Conversions Part 2

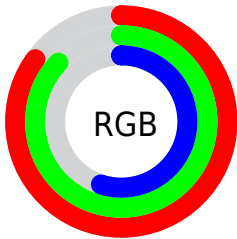
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 221, 142
Decimal	14343563
CIELab	86.25, -13.16, 39.92
CIELCh	86, 42.038, 108.250
Yxy	68.4824, 0.3659, 0.4216
Android (android.graphics.Color)	4292533643 (0xFFDADD8B)
YUV	210.7550, -35.3752, 6.3539
Hunter-Lab	82.7541, -16.6294, 33.2013

# Details

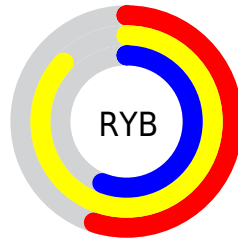
The XYZ color **59.4301, 68.4824, 34.5122** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.4416, 29.4382, 72.3302**, and the grayscale version is **61.9714, 65.1987, 71.0014**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **30.2568, 35.6419, 14.3017** is the 20% darker color. If you saturate the color by 10%, you get **57.7349, 67.7788, 26.8390**, and if you desaturate by 10%, it is **61.4564, 69.3234, 43.9075**.

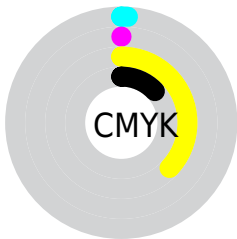
# Distribution



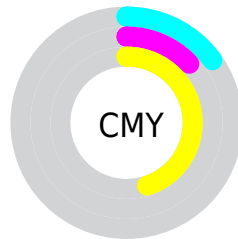
- Red (85%)
- Green (87%)
- Blue (55%)



- Red (55%)
- Yellow (87%)
- Blue (56%)



- Cyan (1%)
- Magenta (0%)
- Yellow (37%)
- Black (13%)




- Cyan (15%)
- Magenta (13%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.4301, 68.4824, 34.5122 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 59.4301, 68.4824, 34.5122 by changing the saturation by 10% instead.





 59.4301, 68.4824,  
34.5122


 59.4301, 68.4824,  
34.5122


412.3624,  
455.2033, 337.2485


 43.2071, 50.2903,  
23.0068


 103.1136,  
117.0420, 67.8724

 30.2429, 35.6441,  
14.3932


 131.3048,  
148.1782, 90.5642

 20.1720, 24.1595,  
8.2528


 164.2162,  
184.3980, 117.8220

 12.6291, 15.4520,  
4.1670

202.2130,  
226.0857, 150.0643

 7.2489, 9.1372,  
1.7174

245.6607,  
273.6257, 187.7095

 3.6660, 4.8308,  
0.3726

294.9246,

 1.5149, 2.1483,

327.4023, 231.1763

0.0000

350.3701,  
387.8001, 280.8831

■ 0.3360, 0.6916,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.4301, 68.4824,  
34.5122

■ 59.4301, 68.4824,  
34.5122

■ 57.7349, 67.7788,  
26.8390

■ 61.4564, 69.3234,  
43.9075

■ 56.3458, 67.1954,  
20.7794


■ 63.8268, 70.2997,  
55.1161


■ 55.2427, 66.7265,  
16.2193


■ 66.5597, 71.4212,  
68.2278

■ 54.4006, 66.3622,  
13.0279


■ 69.6710, 72.6942,  
83.3255


 53.7905, 66.0908,  
11.0519


 73.1754, 74.1246,  
100.4870


 53.3742, 65.8970,  
10.0900

 74.2964, 74.6017,  
105.0915

 53.2711, 65.8479,  
9.9022

 74.5463, 74.7306,  
105.1032

 74.7975, 74.8601,  
105.1149

 75.0499, 74.9902,  
105.1267

# Harmonies

## Analogous

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



68.9578, 68.4824, 33.5841



59.4301, 68.4824, 34.5122



52.1599, 68.4824, 44.3867

# Triad

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



59.4301, 68.4824, 34.5122



53.4587, 68.4824, 121.8627



85.0821, 68.4824, 85.9651

# Complementary

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



59.4301, 68.4824, 34.5122



33.4416, 29.4382, 72.3302

# 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.



79.9988, 68.4824, 116.0253



59.4301, 68.4824, 34.5122



61.3705, 68.4824, 139.9331

# Square

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



59.4301, 68.4824, 34.5122



48.9553, 68.4824, 92.5491



71.0993, 68.4824, 137.5652



84.4304, 68.4824, 59.0772



# Rectangle

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



59.4301, 68.4824, 34.5122



49.2779, 68.4824, 56.4938



71.0993, 68.4824, 137.5652



83.9684, 68.4824, 96.1311

# Sweetspot

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



59.4318, 68.4855, 34.5136



90.4810, 98.1288, 86.8088



44.1146, 36.5047, 29.1480



19.2556, 20.9580, 18.0477



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.



59.4318, 68.4855, 34.5136



80.2216, 93.8919, 38.8025



48.7115, 62.9590, 34.0119



14.1126, 15.2383, 13.9230



30.9661, 38.2611, 5.7530



2.0212, 2.4865, 0.3734



# Inverse Universe

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



33.4416, 29.4382, 72.3302



39.0460, 32.0197, 98.7302



41.7509, 33.7218, 72.7190



12.3826, 12.6398, 16.4392



7.6612, 3.0737, 39.9279



0.5122, 0.2073, 2.5875



# Previews

## White Background



This preview shows how the XYZ color 59.4301, 68.4824, 34.5122 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

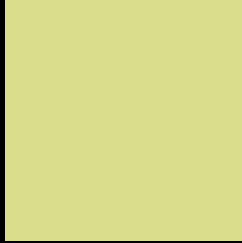
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.4301, 68.4824, 34.5122 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

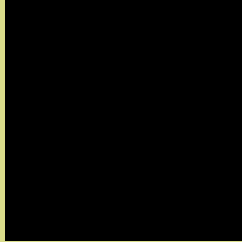
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.4301, 68.4824, 34.5122

## Background



This preview shows how black text looks on a background with the XYZ color 59.4301, 68.4824, 34.5122.



This preview shows how white text looks on a background with the XYZ color 59.4301, 68.4824,



# 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

59.4301, 68.4824, 34.5122

### Protanopia

63.3322, 68.5800, 33.5662

### Deuteranopia

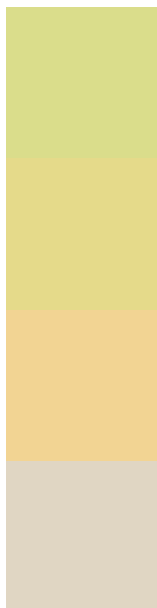
69.1387, 68.1200, 38.7826



## Tritanopia

68.9066, 68.1332, 82.1923

# Trichromacy



## Original Color

59.4301, 68.4824, 34.5122

## Protanomaly

61.9719, 68.6358, 34.0265

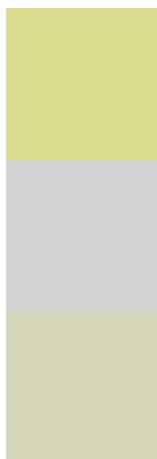
## Deuteranomaly

65.4279, 68.0708, 37.2943

## Tritanomaly

64.6374, 67.8806, 61.3253

# Monochromacy



## Original Color

59.4301, 68.4824, 34.5122

## Achromatopsia

61.9161, 65.1406, 70.9381

## Achromatomaly

60.7890, 66.3998, 55.5115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.4301, 68.4824, 34.5122 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, 221, 139)` looks like.

```
.text, #text, p{  
    color:rgb(218, 221, 139)  
}
```

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, 221, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 221, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 59.4301, 68.4824, 34.5122 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, 221, 139) }
```



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

```
.border{ border-color:rgb(218, 221, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 221, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 221, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 221, 139);  
box-shadow:4px 4px 4px 4px rgb(218, 221,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.4301, 68.4824, 34.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 221, 139) }
```

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

```
.background{ background-color: rgb(218,  
221, 139) }
```

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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