

# Converting Colors

XYZ(59.2375, 70.1268, 33.6545)

Have a look what the booklet for  
XYZ(59.2375, 70.1268, 33.6545)  
contains.

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# Color

**XYZ(59.1007, 69.9241,  
33.6743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6E188
RGB	214, 225, 136
RGB Percent	84%, 88%, 53%
CMY	0.1608, 0.1176, 0.4667
CMYK	0.05, 0.00, 0.40, 0.12
HSL	67°, 60%, 71%
HSV	67°, 40%, 88%
XYZ	59.1007, 69.9241, 33.6743
YIQ	211.5650, 22.0130, -30.0110

# Conversions

## Conversions Part 2

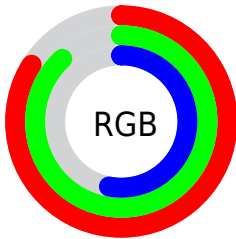
Format	Color
<b>RYB</b>	136, 225, 147
Decimal	14082440
CIELab	86.96, -17.03, 42.26
CIELCh	87, 45.566, 111.943
Yxy	69.9241, 0.3633, 0.4298
Android (android.graphics.Color)	4292272520 (0xFFD6E188)
YUV	211.5650, -37.2535, 2.1355
Hunter-Lab	83.6206, -20.1773, 34.6582

# Details

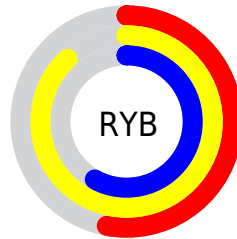
The XYZ color **59.1007, 69.9241, 33.6743** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.4299, 29.2494, 75.0692**, and the grayscale version is **62.5211, 65.7771, 71.6313**.

A 20% lighter version of the original color is **86.2943, 96.4977, 62.7929**, and **30.0755, 36.6586, 13.8782** is the 20% darker color. If you saturate the color by 10%, you get **56.8621, 68.9381, 26.0808**, and if you desaturate by 10%, it is **61.6923, 71.0578, 43.0393**.

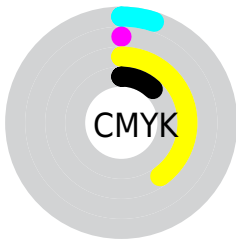
# Distribution



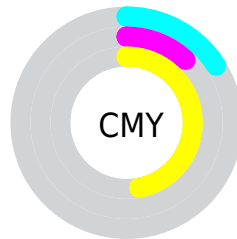
- Red (84%)
- Green (88%)
- Blue (53%)



- Red (53%)
- Yellow (88%)
- Blue (58%)



- Cyan (5%)
- Magenta (0%)
- Yellow (40%)
- Black (12%)



- Cyan (16%)
- Magenta (12%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1007, 69.9241, 33.6743 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 59.1007, 69.9241, 33.6743 by changing the saturation by 10% instead.



59.1007, 69.9241,  
33.6743

59.1007, 69.9241,  
33.6743

411.1630,  
460.2835, 333.4020

42.9409, 51.4647,  
22.3682

102.6378,  
119.1005, 66.5550

30.0330, 36.5785,  
13.9268

130.7458,  
150.5863, 88.9666

20.0119, 24.8813,  
7.9316

163.5672,  
187.1829, 115.9171

12.5120, 15.9887,  
3.9641

201.4674,  
229.2749, 147.8250

7.1680, 9.5161,  
1.6056

244.8117,  
277.2465, 185.1089

3.6147, 5.0793,  
0.2948

293.9655,

1.4865, 2.2939,

331.4822, 228.1874

0.0000

349.2942,  
392.3664, 277.4789

■ 0.3166, 0.7705,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.1007, 69.9241,  
33.6743

■ 59.1007, 69.9241,  
33.6743

■ 56.8621, 68.9381,  
26.0808

■ 61.6923, 71.0578,  
43.0393

■ 54.9502, 68.0819,  
20.1428


■ 64.6512, 72.3376,  
54.2731


■ 53.3429, 67.3492,  
15.7376


■ 67.9970, 73.7738,  
67.4714


■ 52.0134, 66.7291,  
12.7234


■ 71.7465, 75.3730,  
82.7219


 50.9296, 66.2089,  
10.9324


 75.9153, 77.1417,  
100.1072


 50.0385, 65.7674,  
10.0858

 77.8329, 78.0114,  
105.5632

 50.0006, 65.7485,  
10.0554

 78.7366, 78.4773,  
105.6055

 79.6546, 78.9505,  
105.6485

 80.5870, 79.4312,  
105.6921

# Harmonies

## Analogous

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



69.3715, 69.9241, 31.5893



59.1007, 69.9241, 33.6743



51.6097, 69.9241, 45.4113

# Triad

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



59.1007, 69.9241, 33.6743



54.6231, 69.9241, 132.2583



88.8605, 69.9241, 84.6519

# Complementary

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



59.1007, 69.9241, 33.6743



34.4299, 29.2494, 75.0692

# 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.



83.9181, 69.9241, 118.2971



59.1007, 69.9241, 33.6743



63.6326, 69.9241, 150.1885

# Square

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



59.1007, 69.9241, 33.6743



49.2234, 69.9241, 100.2126



74.4078, 69.9241, 144.4918



87.3149, 69.9241, 56.2612



# Rectangle

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



59.1007, 69.9241, 33.6743



48.8358, 69.9241, 59.3703



74.4078, 69.9241, 144.4918



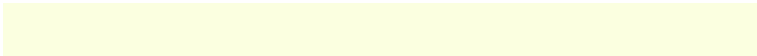
87.8856, 69.9241, 95.7924

# Sweetspot

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



59.1024, 69.9272, 33.6758



89.1305, 97.4730, 84.9223



45.8357, 38.4631, 28.3018



18.9498, 20.8084, 17.6698



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.



59.1024, 69.9272, 33.6758



76.1401, 91.8303, 36.6891



47.9744, 64.1906, 33.1550



14.6962, 15.9391, 14.6088



28.8788, 37.9201, 5.7972



2.0492, 2.6529, 0.4041



# Inverse Universe

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



34.4299, 29.2494, 75.0692



39.3070, 31.0710, 98.5333



43.8535, 34.1074, 75.5102



13.1087, 13.3241, 17.2686



8.1571, 3.3004, 41.2555

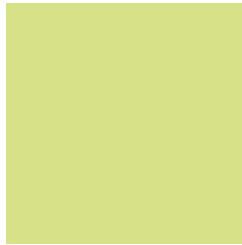


0.6178, 0.2558, 2.8621



# Previews

## White Background



This preview shows how the XYZ color 59.1007, 69.9241, 33.6743 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 59.1007, 69.9241, 33.6743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

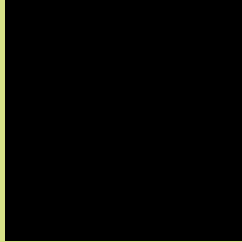
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 59.1007, 69.9241, 33.6743

## Background



This preview shows how black text looks on a background with the XYZ color 59.1007, 69.9241, 33.6743.



This preview shows how white text looks on a background with the XYZ color 59.1007, 69.9241,



# 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

59.1007, 69.9241, 33.6743

### Protanopia

64.5649, 70.0134, 32.3013

### Deuteranopia

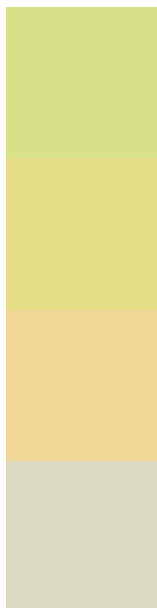
70.3724, 69.7875, 41.6596



## Tritanopia

69.5217, 69.8702, 85.4234

# Trichromacy



## Original Color

59.1007, 69.9241, 33.6743

## Protanomaly

62.4726, 70.0921, 32.7907

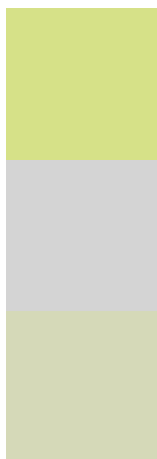
## Deuteranomaly

65.6604, 69.2961, 38.3486

## Tritanomaly

64.8540, 69.5005, 62.2213

# Monochromacy



## Original Color

59.1007, 69.9241, 33.6743

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

60.9052, 67.2325, 55.1145

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.1007, 69.9241, 33.6743 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(214, 225, 136)` looks like.

```
.text, #text, p{  
    color:rgb(214, 225, 136)  
}
```

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(214, 225, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 225, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 59.1007, 69.9241, 33.6743 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(214, 225, 136) }
```



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

```
.border{ border-color:rgb(214, 225, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 225, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 225, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 225, 136);  
box-shadow:4px 4px 4px 4px rgb(214, 225,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.1007, 69.9241, 33.6743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 225, 136) }
```

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

```
.background{ background-color: rgb(214,  
225, 136) }
```

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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