

# Converting Colors

XYZ(63.5143, 74.8445, 34.3858)

Have a look what the booklet for  
XYZ(63.5143, 74.8445, 34.3858)  
contains.

|                                                |    |
|------------------------------------------------|----|
| <b>XYZ(63.4513, 74.6174, 34.3509)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(63.4513, 74.6174,  
34.3509)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DFE788                      |
| RGB         | 223, 231, 136               |
| RGB Percent | 87%, 91%, 53%               |
| CMY         | 0.1255, 0.0941, 0.4667      |
| CMYK        | 0.03, 0.00, 0.41, 0.09      |
| HSL         | 65°, 66%, 72%               |
| HSV         | 65°, 41%, 91%               |
| XYZ         | 63.4513, 74.6174, 34.3509   |
| YIQ         | 217.7780, 25.7270, -31.2410 |

# Conversions

## Conversions Part 2

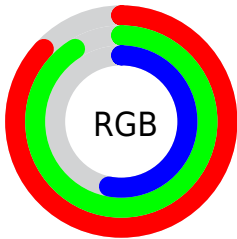
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 136, 231, 144                 |
| Decimal                             | 14673800                      |
| CIE Lab                             | 89.21, -16.52, 45.25          |
| CIE LCh                             | 89, 48.171, 110.053           |
| Yxy                                 | 74.6174, 0.3680,<br>0.4328    |
| Android<br>(android.graphics.Color) | 4292863880<br>(0xFFDFE788)    |
| YUV                                 | 217.7780, -40.3166,<br>4.5797 |
| Hunter-Lab                          | 86.3814, -20.0505,<br>36.8894 |

# Details

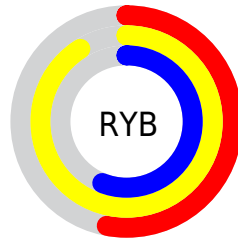
The XYZ color **63.4513, 74.6174, 34.3509** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.7323, 29.3090, 79.4323**, and the grayscale version is **66.7458, 70.2218, 76.4715**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **32.8515, 39.7978, 14.3378** is the 20% darker color. If you saturate the color by 10%, you get **61.3877, 73.7257, 26.5889**, and if you desaturate by 10%, it is **65.8793, 75.6609, 43.9797**.

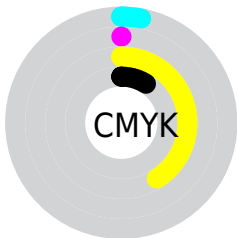
# Distribution



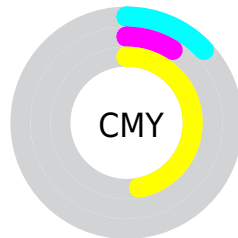
- Red (87%)
- Green (91%)
- Blue (53%)



- Red (53%)
- Yellow (91%)
- Blue (56%)



- Cyan (3%)
- Magenta (0%)
- Yellow (41%)
- Black (9%)




- Cyan (13%)
- Magenta (9%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4513, 74.6174, 34.3509 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 63.4513, 74.6174, 34.3509 by changing the saturation by 10% instead.




 63.4513, 74.6174,  
34.3509

 63.4513, 74.6174,  
34.3509


426.8392,  
476.6015, 336.5107


 46.4664, 55.2995,  
22.8838


 108.8985,  
125.7706, 67.6191

 32.8202, 39.6416,  
14.3032


 138.0915,  
158.3748, 90.2572

 22.1473, 27.2592,  
8.1907


 172.0847,  
196.1764, 117.4561

 14.0824, 17.7680,  
4.1277

211.2432,  
239.5600, 149.6343

 8.2601, 10.7835,  
1.6957

255.9326,  
288.9099, 187.2103

 4.3150, 5.9215,  
0.3578

306.5182,

 1.8819, 2.7974,

344.6105, 230.6027

0.0000

363.3652,  
407.0463, 280.2299

■ 0.5663, 1.0269,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 63.4513, 74.6174,  
34.3509

■ 63.4513, 74.6174,  
34.3509

■ 61.3877, 73.7257,  
26.5889

■ 65.8793, 75.6609,  
43.9797

■ 59.6601, 72.9666,  
20.5682


■ 68.6871, 76.8545,  
55.5807

■ 58.2446, 72.3331,  
16.1551


■ 71.8959, 78.2094,  
69.2571


■ 57.1117, 71.8134,  
13.1949


■ 75.5237, 79.7326,  
85.1034


 56.2263, 71.3935,  
11.5023


 79.5873, 81.4309,  
103.2083

 55.5963, 71.0838,  
10.7903

 80.7830, 81.9829,  
106.1743

 81.4281, 82.3155,  
106.2045

 82.0803, 82.6517,  
106.2350

 82.7396, 82.9916,  
106.2659

# Harmonies

## Analogous

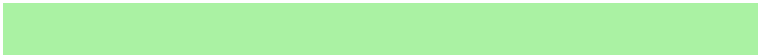
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8976, 74.6174, 32.7153



63.4513, 74.6174, 34.3509



54.9684, 74.6174, 46.3706

# Triad

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



63.4513, 74.6174, 34.3509



57.3778, 74.6174, 141.6524



95.5918, 74.6174, 92.9470

# Complementary

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



63.4513, 74.6174, 34.3509



34.7323, 29.3090, 79.4323

# 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.



89.6965, 74.6174, 130.2924



63.4513, 74.6174, 34.3509



67.0889, 74.6174, 163.1250

# Square

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



63.4513, 74.6174, 34.3509



51.7397, 74.6174, 105.5206



78.9564, 74.6174, 158.4738



94.3401, 74.6174, 61.0122



# Rectangle

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



63.4513, 74.6174, 34.3509



51.7282, 74.6174, 61.1047



78.9564, 74.6174, 158.4738



94.3573, 74.6174, 105.3874

# Sweetspot

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



63.4531, 74.6208, 34.3525



89.5665, 97.6978, 84.9427



47.3621, 38.6897, 28.2652



19.0531, 20.8617, 17.6746



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.



63.4531, 74.6208, 34.3525



77.2643, 92.4504, 34.9091



50.8330, 68.1149, 33.7619



15.4755, 16.7522, 15.3223



31.2182, 39.8751, 6.0513



2.3424, 2.9649, 0.4488



# Inverse Universe

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



34.7323, 29.3090, 79.4323



36.9524, 28.8245, 98.2238



44.8211, 34.5100, 79.9045



13.6948, 13.9449, 18.1142



8.2839, 3.3364, 42.5906

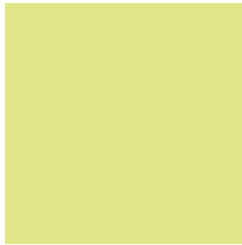


0.6513, 0.2667, 3.1491



# Previews

## White Background



This preview shows how the XYZ color 63.4513, 74.6174, 34.3509 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

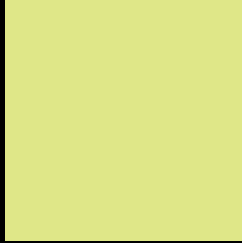
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4513, 74.6174, 34.3509 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

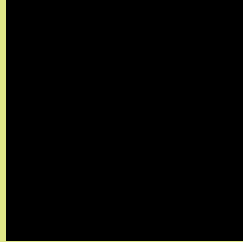
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.4513, 74.6174, 34.3509**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.4513, 74.6174, 34.3509.



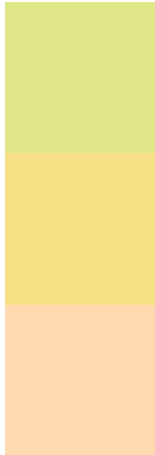
This preview shows how white text looks on a background with the XYZ color 63.4513, 74.6174,



# 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

63.4513, 74.6174, 34.3509

### Protanopia

68.5455, 74.4172, 32.9415

### Deuteranopia

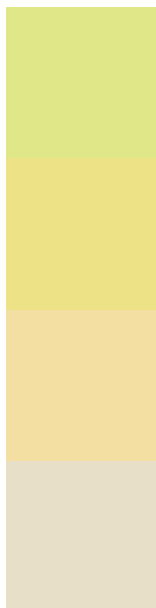
74.1479, 74.5374, 51.5534



## Tritanopia

74.7328, 74.3813, 89.7751

# Trichromacy



## Original Color

63.4513, 74.6174, 34.3509

## Protanomaly

66.6972, 74.6639, 33.4505

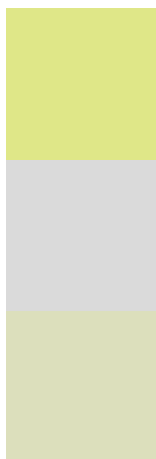
## Deuteranomaly

69.7828, 74.4032, 44.4015

## Tritanomaly

69.7680, 73.9344, 65.2372

# Monochromacy



## Original Color

63.4513, 74.6174, 34.3509

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

64.9800, 71.6218, 57.9765

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4513, 74.6174, 34.3509 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(223, 231, 136)` looks like.

```
.text, #text, p{  
    color:rgb(223, 231, 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(223, 231, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 231, 136) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4513, 74.6174, 34.3509 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(223, 231, 136) }
```



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

```
.border{ border-color:rgb(223, 231, 136) }
```

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

Here you see how a box with a 4 pixel rgb(223, 231, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 231, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 231, 136);  
box-shadow:4px 4px 4px 4px rgb(223, 231,  
136) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4513, 74.6174, 34.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 231, 136) }
```

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

```
.background{ background-color: rgb(223,  
231, 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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