

# Converting Colors

XYZ(68.5188, 76.3682, 74.1506)

Have a look what the booklet for  
XYZ(68.5188, 76.3682, 74.1506)  
contains.

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# Color

**XYZ(68.6105, 76.4030,  
74.0819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D7E7D5
RGB	215, 231, 213
RGB Percent	84%, 91%, 84%
CMY	0.1569, 0.0941, 0.1647
CMYK	0.07, 0.00, 0.08, 0.09
HSL	113°, 27%, 87%
HSV	113°, 8%, 91%
XYZ	68.6105, 76.4030, 74.0819
YIQ	224.1640, -3.7580, -8.9900

# Conversions

## Conversions Part 2

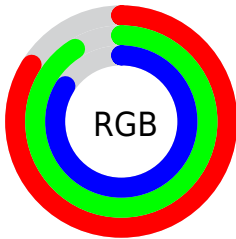
Format	Color
R <sub>Y</sub> B	213, 231, 229
Decimal	14149589
CIE Lab	90.05, -8.57, 6.93
CIE LCh	90, 11.022, 141.030
Yxy	76.4030, 0.3132, 0.3487
Android (android.graphics.Color)	4292339669 (0xFFD7E7D5)
YUV	224.1640, -5.5039, -8.0368
Hunter-Lab	87.4088, -12.8540, 10.9359

# Details

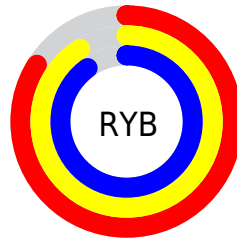
The XYZ color **68.6105, 76.4030, 74.0819** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **70.5341, 70.0181, 85.4025**, and the grayscale version is **71.0106, 74.7087, 81.3578**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.9987, 40.6021, 38.2874** is the 20% darker color. If you saturate the color by 10%, you get **60.2290, 72.3994, 59.4587**, and if you desaturate by 10%, it is **78.1708, 80.9704, 90.9436**.

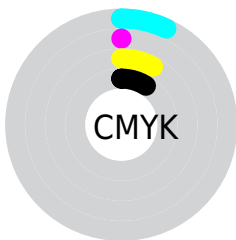
# Distribution



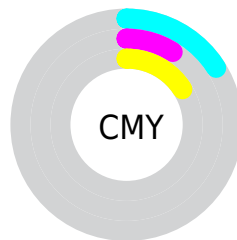
- Red (84%)
- Green (91%)
- Blue (84%)



- Red (84%)
- Yellow (91%)
- Blue (90%)



- Cyan (7%)
- Magenta (0%)
- Yellow (8%)
- Black (9%)



- Cyan (16%)
- Magenta (9%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6105, 76.4030, 74.0819 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 68.6105, 76.4030, 74.0819 by changing the saturation by 10% instead.



68.6105, 76.4030,  
74.0819

68.6105, 76.4030,  
74.0819

444.9989,  
482.7261, 493.9269

50.6701, 56.7630,  
54.3639

116.2622,  
128.2964, 126.7470

36.1661, 40.8150,  
38.4975

146.7042,  
161.3186, 160.5312

24.7332, 28.1746,  
26.0642

182.0440,  
199.5704, 199.8412

16.0060, 18.4573,  
16.6455

222.6471,  
243.4361, 245.0955

9.6193, 11.2788,  
9.8228

268.8788,  
293.3001, 296.7127

5.2076, 6.2547,  
5.1776

321.1044,

2.4056, 3.0006,

349.5469, 355.1113

2.2913

379.6893,  
412.5607, 420.7099

■ 0.8479, 1.1320,  
0.7263

■ 0.0000, 0.0051,  
0.0000

■ 68.6105, 76.4030,  
74.0819

■ 68.6105, 76.4030,  
74.0819

■ 60.2290, 72.3994,  
59.4587

■ 78.1708, 80.9704,  
90.9436

■ 52.9744, 68.9283,  
46.9751

■ 87.8674, 85.6348,  
106.5058

■ 46.8005, 65.9703,  
36.5325

■ 41.6552, 63.5008,  
28.0221

■ 37.4823, 61.4935,  
21.3256

■ 34.2199, 59.9193,  
16.3112

■ 31.7991, 58.7458,  
12.8296

■ 30.1407, 57.9362,  
10.7053

■ 29.1463, 57.4448,  
9.6982

# Harmonies

## Analogous

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



70.7498, 76.4030, 69.9221



68.6105, 76.4030, 74.0819



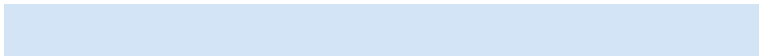
67.5523, 76.4030, 80.8660

# Triad

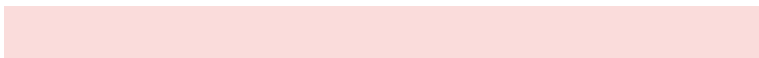
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.6105, 76.4030, 74.0819



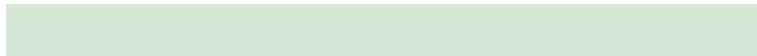
71.8027, 76.4030, 98.9536



77.6334, 76.4030, 77.9068

# Complementary

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



68.6105, 76.4030, 74.0819



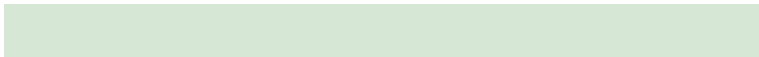
70.5341, 70.0181, 85.4025

# 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.



77.9325, 76.4030, 85.5579



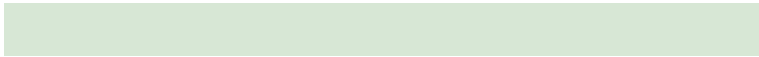
68.6105, 76.4030, 74.0819



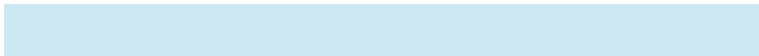
74.5203, 76.4030, 98.0380

# Square

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



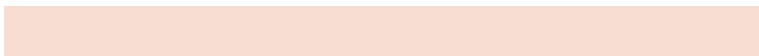
68.6105, 76.4030, 74.0819



69.3647, 76.4030, 95.4440



76.7802, 76.4030, 93.0154

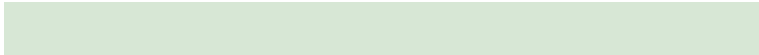


75.9730, 76.4030, 72.0323



# Rectangle

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



68.6105, 76.4030, 74.0819



67.5835, 76.4030, 86.1017



76.7802, 76.4030, 93.0154



77.8981, 76.4030, 80.3445

# Sweetspot

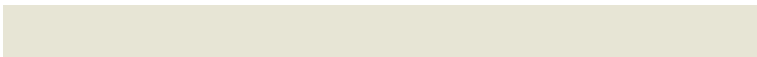
The Sweet Spot groups the original color and five complimentary colors.



68.6126, 76.4063, 74.0836



92.5914, 98.8261, 104.5556



72.9602, 77.7800, 74.1196



19.8441, 21.1652, 22.4247



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

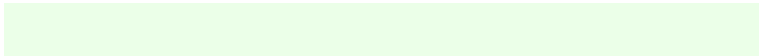


# Same Dimension

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



68.6126, 76.4063, 74.0836



84.4613, 94.9430, 90.2554



68.9239, 76.4634, 78.7691



14.3372, 16.1654, 15.2690



16.3050, 32.1870, 5.3534



1.2547, 2.4042, 0.3979



# Inverse Universe

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



70.5341, 70.0181, 85.4025



87.2291, 85.7411, 106.5600



70.2201, 69.9666, 80.3989



14.8292, 14.5297, 18.1673



22.3197, 10.5721, 43.2474

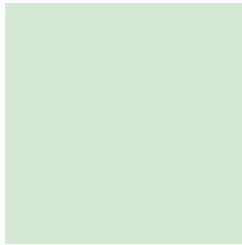


1.6945, 0.8045, 3.1979



# Previews

## White Background



This preview shows how the XYZ color 68.6105, 76.4030, 74.0819 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

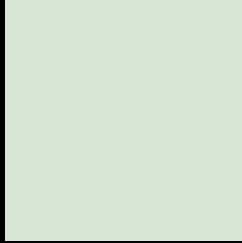
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.6105, 76.4030, 74.0819 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

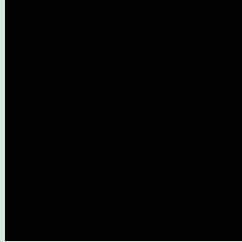
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

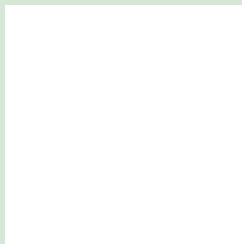
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.6105, 76.4030, 74.0819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6105, 76.4030, 74.0819.



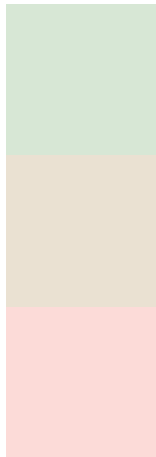
This preview shows how white text looks on a background with the XYZ color 68.6105, 76.4030,



# 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

68.6105, 76.4030, 74.0819

### Protanopia

72.4898, 75.9960, 71.8208

### Deuteranopia

77.8711, 76.3164, 75.5920



## Tritanopia

73.0407, 76.1400, 96.4348

# Trichromacy



## Original Color

68.6105, 76.4030, 74.0819

## Protanomaly

70.9055, 75.9722, 72.5550

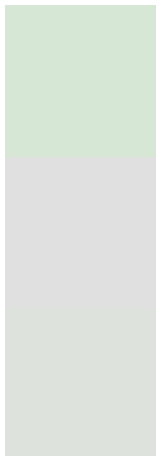
## Deuteranomaly

74.2500, 76.0324, 75.0523

## Tritanomaly

71.3648, 76.2754, 88.0521

# Monochromacy



## Original Color

68.6105, 76.4030, 74.0819

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

70.2061, 75.4776, 78.5785

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6105, 76.4030, 74.0819 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, 231, 213) looks like.

```
.text, #text, p{  
    color:rgb(215, 231, 213)  
}
```

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, 231, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 231, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6105, 76.4030, 74.0819 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, 231, 213) }
```



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

```
.border{ border-color:rgb(215, 231, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 231, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 231, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 231, 213);  
box-shadow:4px 4px 4px 4px rgb(215, 231,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6105, 76.4030, 74.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 231, 213) }
```

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

```
.background{ background-color: rgb(215,  
231, 213) }
```

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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