

# Converting Colors

XYZ(68.6238, 79.0741, 68.7727)

Have a look what the booklet for  
XYZ(68.6238, 79.0741, 68.7727)  
contains.

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# Color

**XYZ(68.6238, 79.0741,  
68.7727)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5EDCC
RGB	213, 237, 204
RGB Percent	84%, 93%, 80%
CMY	0.1647, 0.0706, 0.2000
CMYK	0.10, 0.00, 0.14, 0.07
HSL	104°, 48%, 86%
HSV	104°, 14%, 93%
XYZ	68.6238, 79.0741, 68.7727
YIQ	226.0620, -3.7110, -15.3510

# Conversions

## Conversions Part 2

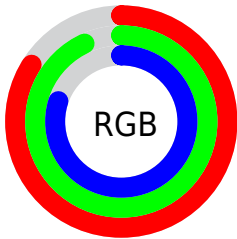
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 237, 228
Decimal	14020044
CIE <sub>Lab</sub>	91.27, -13.81, 13.35
CIE <sub>LCh</sub>	91, 19.202, 135.973
Yxy	79.0741, 0.3170, 0.3653
Android (android.graphics.Color)	4292210124 (0xFFD5EDCC)
YUV	226.0620, -10.8766, -11.4554
Hunter-Lab	88.9236, -17.8650, 16.3922

# Details

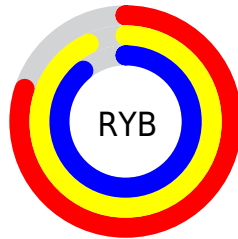
The XYZ color **68.6238, 79.0741, 68.7727** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **68.8770, 65.7963, 89.1946**, and the grayscale version is **72.4135, 76.1846, 82.9650**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1294, 42.5189, 35.1569** is the 20% darker color. If you saturate the color by 10%, you get **61.2581, 75.5831, 54.7015**, and if you desaturate by 10%, it is **76.9580, 83.0190, 85.1505**.

# Distribution



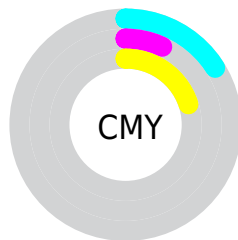
- Red (84%)
- Green (93%)
- Blue (80%)



- Red (80%)
- Yellow (93%)
- Blue (89%)



- Cyan (10%)
- Magenta (0%)
- Yellow (14%)
- Black (7%)



- Cyan (16%)
- Magenta (7%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.6238, 79.0741, 68.7727 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 68.6238, 79.0741, 68.7727 by changing the saturation by 10% instead.



68.6238, 79.0741,  
68.7727

68.6238, 79.0741,  
68.7727

445.0452,  
491.8070, 474.9011

50.6809, 58.9567,  
50.0560

116.2811,  
132.0632, 119.1215

36.1747, 42.5783,  
35.0864

146.7262,  
165.7037, 151.5907

24.7399, 29.5544,  
23.4454

182.0695,  
204.6207, 189.4812

16.0111, 19.5006,  
14.7143

222.6762,  
249.1986, 233.2114

9.6229, 12.0326,  
8.4747

268.9118,  
299.8217, 283.2000

5.2100, 6.7659,  
4.3081

321.1416,

2.4070, 3.3161,

356.8746, 339.8654

1.7958

379.7309,  
420.7416, 403.6263

■ 0.8486, 1.2989,  
0.4252

■ 0.0000, 0.1404,  
0.0000

■ 68.6238, 79.0741,  
68.7727

■ 68.6238, 79.0741,  
68.7727

■ 61.2581, 75.5831,  
54.7015

■ 76.9580, 83.0190,  
85.1505

■ 54.8183, 72.5194,  
42.8283

■ 86.2882, 87.4230,  
103.9266

■ 49.2684, 69.8691,  
33.0436

■ 89.5757, 89.0515,  
107.0752

■ 44.5670, 67.6136,  
25.2262

■ 40.6696, 65.7329,  
19.2429

■ 37.5272, 64.2048,  
14.9434

■ 35.0844, 63.0047,  
12.1540

■ 33.2770, 62.1041,  
10.6632

■ 32.4410, 61.6826,  
10.1961

# Harmonies

## Analogous

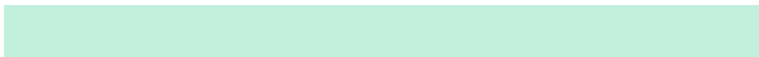
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6101, 79.0741, 62.8039



68.6238, 79.0741, 68.7727



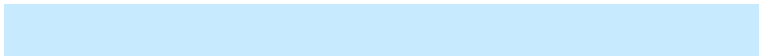
66.4340, 79.0741, 79.7605

# Triad

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



68.6238, 79.0741, 68.7727



72.9107, 79.0741, 114.8250



84.5242, 79.0741, 78.9272

# Complementary

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



68.6238, 79.0741, 68.7727



68.8770, 65.7963, 89.1946

# 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.



84.6132, 79.0741, 92.7631



68.6238, 79.0741, 68.7727



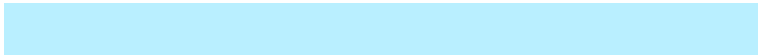
77.7640, 79.0741, 114.5396

# Square

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



68.6238, 79.0741, 68.7727



68.8357, 79.0741, 106.8558



82.0934, 79.0741, 106.1136



81.8551, 79.0741, 68.2196



# Rectangle

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



68.6238, 79.0741, 68.7727



66.2238, 79.0741, 88.9192



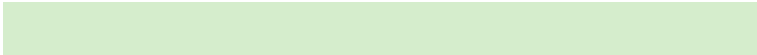
82.0934, 79.0741, 106.1136



84.8606, 79.0741, 83.3376

# Sweetspot

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



68.6259, 79.0775, 68.7744



90.7740, 97.9804, 100.3540



73.4746, 77.6620, 68.2457



19.2618, 20.8926, 21.1469



0.0000, 0.0000, 0.0000

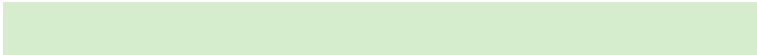


20.3446, 21.4041, 23.3091

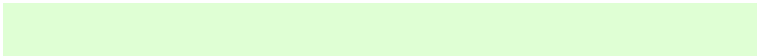


# Same Dimension

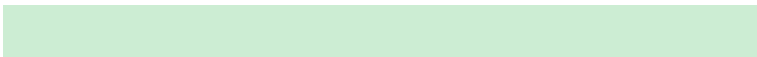
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.6259, 79.0775, 68.7744



78.1761, 92.0186, 75.6972



66.9651, 78.1199, 73.2776



15.2537, 17.0608, 16.0078



17.8185, 33.7302, 5.5715



1.4889, 2.6949, 0.4417



# Inverse Universe

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



68.8770, 65.7963, 89.1946



78.5302, 73.2188, 104.6014



70.7827, 66.8971, 83.9377



15.2910, 15.0953, 19.0300



17.8117, 8.2182, 44.3905

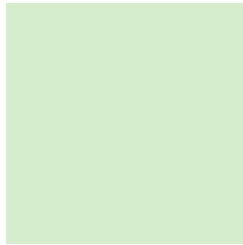


1.4901, 0.6925, 3.4900



# Previews

## White Background



This preview shows how the XYZ color 68.6238, 79.0741, 68.7727 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 68.6238, 79.0741, 68.7727 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

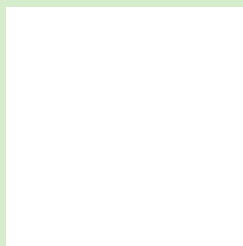
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 68.6238, 79.0741, 68.7727**

## **Background**



This preview shows how black text looks on a background with the XYZ color 68.6238, 79.0741, 68.7727.



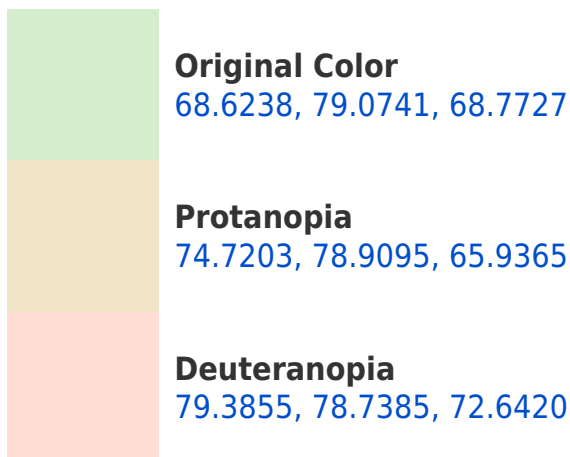
This preview shows how white text looks on a background with the XYZ color 68.6238, 79.0741,



# 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

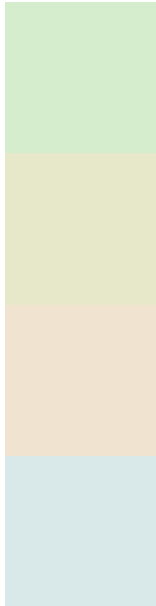




## **Tritanopia**

75.1900, 79.2070, 100.9481

# Trichromacy



## Original Color

68.6238, 79.0741, 68.7727

## Protanomaly

72.3542, 78.9192, 66.6778

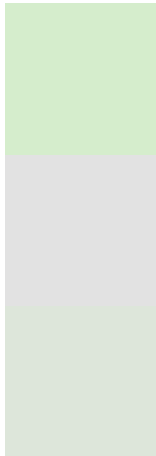
## Deuteranomaly

75.0637, 78.5661, 70.8830

## Tritanomaly

72.4622, 78.9127, 88.5033

# Monochromacy



## Original Color

68.6238, 79.0741, 68.7727

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

70.7705, 77.0277, 77.4675

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.6238, 79.0741, 68.7727 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(213, 237, 204)` looks like.

```
.text, #text, p{  
    color:rgb(213, 237, 204)  
}
```

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(213, 237, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 237, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 68.6238, 79.0741, 68.7727 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(213, 237, 204) }
```



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

```
.border{ border-color:rgb(213, 237, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 237, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 237, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 237, 204);  
box-shadow:4px 4px 4px 4px rgb(213, 237,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.6238, 79.0741, 68.7727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 237, 204) }
```

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

```
.background{ background-color: rgb(213,  
237, 204) }
```

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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