

Converting Colors

XYZ(68.8652, 79.9319, 75.5959)

Have a look what the booklet for
XYZ(68.8652, 79.9319, 75.5959)
contains.

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Color

**XYZ(68.7362, 79.8534,
75.4088)**

Conversions

Conversions Part 1

Format	Color
Hex	CFEFD6
RGB	207, 239, 214
RGB Percent	81%, 94%, 84%
CMY	0.1882, 0.0627, 0.1608
CMYK	0.13, 0.00, 0.10, 0.06
HSL	133°, 50%, 87%
HSV	133°, 13%, 94%
XYZ	68.7362, 79.8534, 75.4088
YIQ	226.5820, -11.0470, -14.5590

Conversions

Conversions Part 2

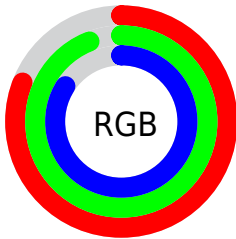
Format	Color
R_{YB}	207, 233, 239
Decimal	13627350
CIE _{Lab}	91.62, -15.08, 8.60
CIE _{LCh}	92, 17.356, 150.297
Yxy	79.8534, 0.3069, 0.3565
Android (android.graphics.Color)	4291817430 (0xFFCFEFD6)
YUV	226.5820, -6.2029, -17.1734
Hunter-Lab	89.3607, -19.0792, 12.5195

Details

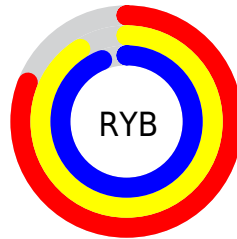
The XYZ color **68.7362, 79.8534, 75.4088** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4777, 68.8045, 85.8081**, and the grayscale version is **72.7613, 76.5505, 83.3635**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1404, 43.0456, 39.2047** is the 20% darker color. If you saturate the color by 10%, you get **60.3081, 75.7707, 63.2718**, and if you desaturate by 10%, it is **78.4529, 84.5733, 89.0366**.

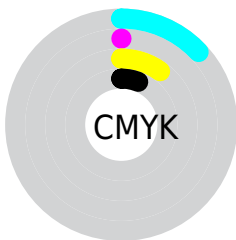
Distribution



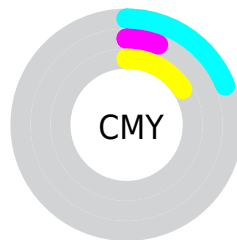
- Red (81%)
- Green (94%)
- Blue (84%)



- Red (81%)
- Yellow (91%)
- Blue (94%)



- Cyan (13%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)



- Cyan (19%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.7362, 79.8534, 75.4088 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 68.7362, 79.8534, 75.4088 by changing the saturation by 10% instead.

68.7362, 79.8534,
75.4088

68.7362, 79.8534,
75.4088

445.4360,
494.4386, 498.6144

50.7728, 59.5977,
55.4441

116.4408,
133.1596, 128.6433

36.2481, 43.0945,
39.3564

146.9128,
166.9789, 162.7502

24.7969, 29.9592,
26.7271

182.2849,
206.0882, 202.4082

16.0537, 19.8077,
17.1378

222.9226,
250.8719, 248.0359

9.6533, 12.2553,
10.1698

269.1911,
301.7144, 300.0518

5.2302, 6.9178,
5.4046

321.4560,

2.4191, 3.4107,

359.0001, 358.8745

2.4237

380.0825,
423.1134, 424.9225

■ 0.8546, 1.3497,
0.7993

■ 0.0000, 0.1792,
0.0000

■ 68.7362, 79.8534,
75.4088

■ 68.7362, 79.8534,
75.4088

■ 60.3081, 75.7707,
63.2718

■ 78.4529, 84.5733,
89.0366

■ 53.1075, 72.2881,
52.5697

■ 89.5028, 89.9456,
104.1979

■ 47.0782, 69.3799,
43.2509

■ 90.1580, 90.2160,
107.2693

■ 42.1569, 67.0147,
35.2588

■ 38.2743, 65.1580,
28.5327

■ 35.3529, 63.7712,
23.0073

■ 33.3041, 62.8102,
18.6114

■ 32.0214, 62.2217,
15.2659

■ 31.4942, 61.9865,
13.5865

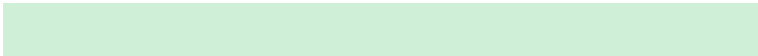
Harmonies

Analogous

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



71.6810, 79.8534, 67.5360



68.7362, 79.8534, 75.4088



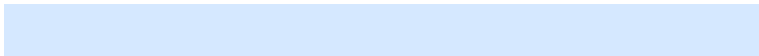
67.6938, 79.8534, 87.0733

Triad

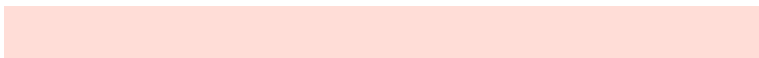
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.7362, 79.8534, 75.4088



75.9424, 79.8534, 113.6985



83.4942, 79.8534, 75.2097

Complementary

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



68.7362, 79.8534, 75.4088



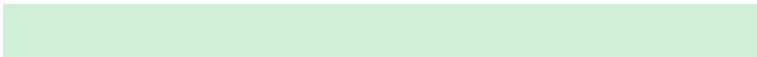
72.4777, 68.8045, 85.8081

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.



84.7402, 79.8534, 86.8203



68.7362, 79.8534, 75.4088



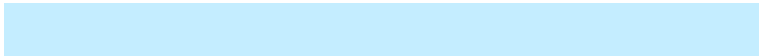
80.2778, 79.8534, 109.7604

Square

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



68.7362, 79.8534, 75.4088



71.7547, 79.8534, 109.9082



83.5413, 79.8534, 99.6054



80.1984, 79.8534, 67.4291

Rectangle

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



68.7362, 79.8534, 75.4088



68.1850, 79.8534, 95.6880



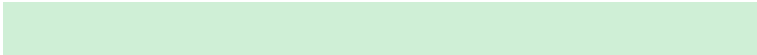
83.5413, 79.8534, 99.6054



84.1723, 79.8534, 78.7548

Sweetspot

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



68.7384, 79.8568, 75.4106



90.1397, 97.6138, 102.1113



75.4325, 83.4088, 71.1562



19.1019, 20.8003, 21.5896



0.0000, 0.0000, 0.0000



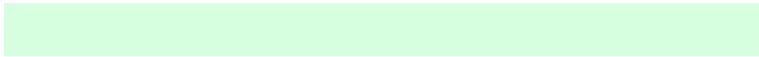
20.3446, 21.4041, 23.3091

Same Dimension

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



68.7384, 79.8568, 75.4106



76.8860, 91.1807, 83.4473



70.8747, 80.7113, 86.6602



15.7074, 17.7130, 17.4822



17.4432, 34.2693, 7.7171



1.4871, 2.8653, 0.8313

Inverse Universe

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



72.4777, 68.8045, 85.8081



81.9834, 76.1129, 97.6199



70.3152, 67.9394, 74.4203



16.2976, 15.9688, 19.1234



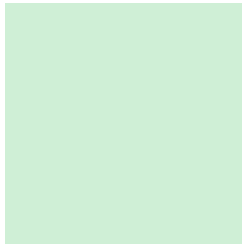
24.6628, 12.1376, 27.2047



2.0879, 1.0242, 2.4537

Previews

White Background



This preview shows how the XYZ color 68.7362, 79.8534, 75.4088 looks on a white background.

Color Contrast Check

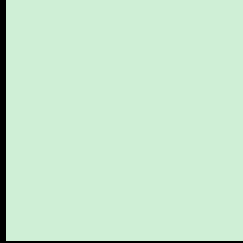
Large Text (above 18pt) WCAG AA × Fail

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 68.7362, 79.8534, 75.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

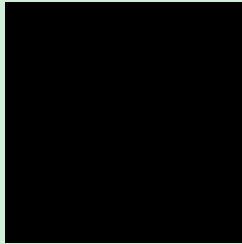
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

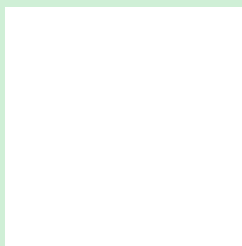
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.7362, 79.8534, 75.4088

Background



This preview shows how black text looks on a background with the XYZ color 68.7362, 79.8534, 75.4088.



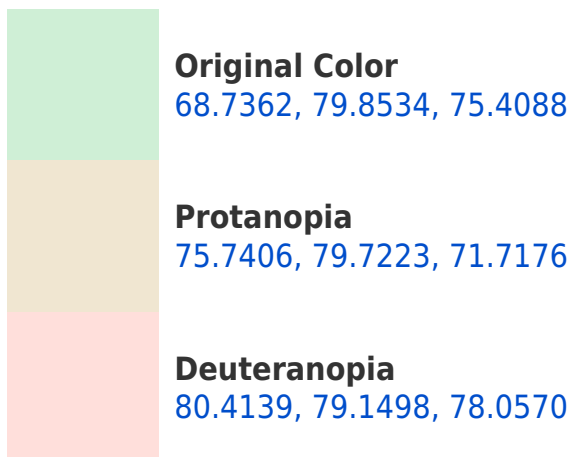
This preview shows how white text looks on a background with the XYZ color 68.7362, 79.8534,

75.4088.

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

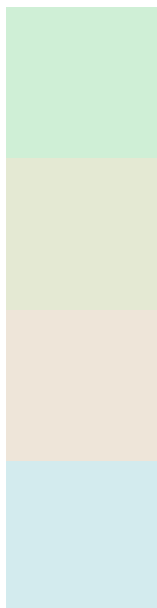




Tritanopia

74.1502, 79.4522, 103.5231

Trichromacy



Original Color

68.7362, 79.8534, 75.4088

Protanomaly

72.8917, 79.4750, 73.1264

Deuteranomaly

75.8036, 79.2255, 76.9424

Tritanomaly

72.0049, 79.4386, 92.4270

Monochromacy



Original Color

68.7362, 79.8534, 75.4088

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2759, 77.6414, 80.3369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.7362, 79.8534, 75.4088 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(207, 239, 214)` looks like.

```
.text, #text, p{  
    color:rgb(207, 239, 214)  
}
```

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(207, 239, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 239, 214) }
```

Border

The CSS property to change the border of an element to XYZ 68.7362, 79.8534, 75.4088 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(207, 239, 214) }
```


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

```
.border{ border-color:rgb(207, 239, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 239, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(207, 239, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(207, 239, 214); box-shadow:4px 4px 4px 4px rgb(207, 239, 214) }
```

Background

The CSS property to change the background color of an element to XYZ 68.7362, 79.8534, 75.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 239, 214) }
```

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

```
.background{ background-color: rgb(207,  
239, 214) }
```

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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