

Converting Colors

XYZ(65.3660, 78.0227, 69.7439)

Have a look what the booklet for
XYZ(65.3660, 78.0227, 69.7439)
contains.

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Color

**XYZ(65.5603, 78.3313,
70.0566)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EFCE
RGB	199, 239, 206
RGB Percent	78%, 94%, 81%
CMY	0.2196, 0.0627, 0.1921
CMYK	0.17, 0.00, 0.14, 0.06
HSL	130°, 56%, 86%
HSV	130°, 17%, 94%
XYZ	65.5603, 78.3313, 70.0566
YIQ	223.2780, -13.2470, -18.7430

Conversions

Conversions Part 2

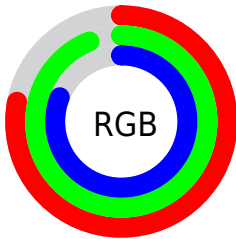
Format	Color
RYB	199, 233, 239
Decimal	13103054
CIELab	90.93, -19.13, 11.70
CIELCh	91, 22.427, 148.544
Yxy	78.3313, 0.3064, 0.3661
Android (android.graphics.Color)	4291293134 (0xFFC7EFCE)
YUV	223.2780, -8.5181, -21.2918
Hunter-Lab	88.5050, -22.6593, 15.0222

Details

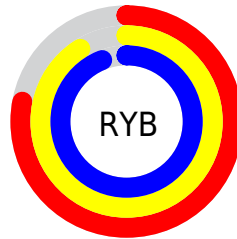
The XYZ color **65.5603, 78.3313, 70.0566** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **70.5883, 65.0257, 85.1784**, and the grayscale version is **70.4041, 74.0706, 80.6628**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **34.2780, 42.1537, 36.0356** is the 20% darker color. If you saturate the color by 10%, you get **57.4630, 74.4189, 57.9484**, and if you desaturate by 10%, it is **74.9584, 82.8840, 83.7978**.

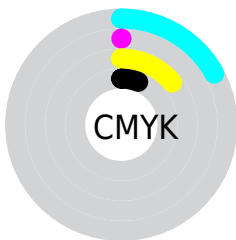
Distribution



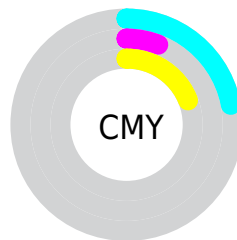
- Red (78%)
- Green (94%)
- Blue (81%)



- Red (78%)
- Yellow (91%)
- Blue (94%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (6%)





- Cyan (22%)
- Magenta (6%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5603, 78.3313, 70.0566 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 65.5603, 78.3313, 70.0566 by changing the saturation by 10% instead.


 65.5603, 78.3313,
70.0566

 65.5603, 78.3313,
70.0566


434.3162,
489.2912, 479.5432

 48.1819, 58.3462,
51.0956

111.9162,
131.0170, 120.9713

 34.1828, 42.0870,
35.9074


141.6245,
164.4865, 153.7621

 23.1977, 29.1694,
24.0736


176.1735,
203.2194, 192.0000

 14.8610, 19.2090,
15.1755

215.9285,
247.6003, 236.1033

 8.8076, 11.8214,
8.7947

261.2550,
298.0135, 286.4908

 4.6720, 6.6222,
4.5125

312.5181,

 2.0889, 3.2270,

354.8435, 343.5809

1.9105

370.0834,
418.4746, 407.7922

■ 0.6832, 1.2513,
0.4994

■ 0.0000, 0.1031,
0.0000

■ 65.5603, 78.3313,
70.0566

■ 65.5603, 78.3313,
70.0566

■ 57.4630, 74.4189,
57.9484

■ 74.9584, 82.8840,
83.7978

■ 50.6027, 71.1085,
47.4073

■ 85.7046, 88.0936,
99.2240

■ 44.9197, 68.3729,
38.3708

■ 90.1580, 90.2159,
107.2693

■ 40.3467, 66.1789,
30.7702

■ 36.8096, 64.4899,
24.5313

■ 34.2253, 63.2647,
19.5734

■ 32.4969, 62.4553,
15.8071

■ 31.5044, 62.0018,
13.1313

■ 31.2827, 61.9018,
12.4734

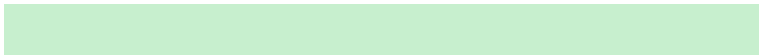
Harmonies

Analogous

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



69.3783, 78.3313, 60.7656



65.5603, 78.3313, 70.0566



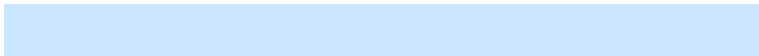
64.1071, 78.3313, 84.5012

Triad

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



65.5603, 78.3313, 70.0566



74.1758, 78.3313, 120.3411



84.4122, 78.3313, 71.2647

Complementary

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



65.5603, 78.3313, 70.0566



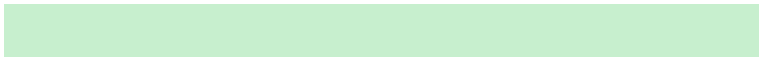
70.5883, 65.0257, 85.1784

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.



85.8529, 78.3313, 86.0826



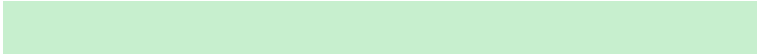
65.5603, 78.3313, 70.0566



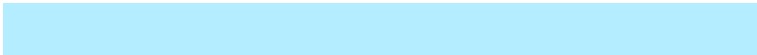
79.7663, 78.3313, 115.6565

Square

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



65.5603, 78.3313, 70.0566



68.9231, 78.3313, 114.6905



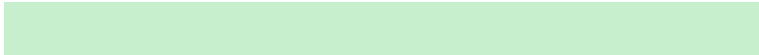
84.1124, 78.3313, 102.5844



80.2680, 78.3313, 61.3986

Rectangle

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



65.5603, 78.3313, 70.0566



64.6160, 78.3313, 95.5761



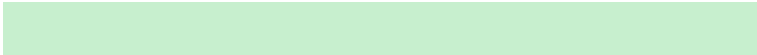
84.1124, 78.3313, 102.5844



85.2377, 78.3313, 75.7687

Sweetspot

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



65.5624, 78.3346, 70.0583



88.8661, 97.0024, 100.0111



74.5655, 83.0719, 66.1384



18.8418, 20.6757, 21.1476



0.0000, 0.0000, 0.0000



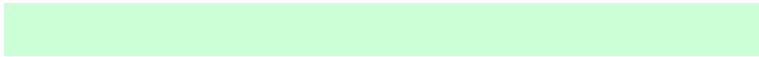
20.3446, 21.4041, 23.3091

Same Dimension

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



65.5624, 78.3346, 70.0583



72.6625, 89.1576, 76.2800



68.1039, 79.3512, 83.4416



15.6788, 17.7015, 17.3315



17.3200, 34.2200, 7.0679



1.4728, 2.8596, 0.7562

Inverse Universe

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



70.5883, 65.0257, 85.1784



79.4790, 71.1042, 96.7850



67.9483, 63.9697, 71.2761



16.3286, 15.9812, 19.2867



25.2958, 12.3907, 30.5379



2.1352, 1.0431, 2.7029

Previews

White Background



This preview shows how the XYZ color 65.5603, 78.3313, 70.0566 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 65.5603, 78.3313, 70.0566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

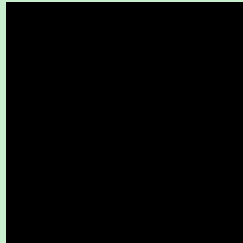
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 65.5603, 78.3313, 70.0566

Background



This preview shows how black text looks on a background with the XYZ color 65.5603, 78.3313, 70.0566.

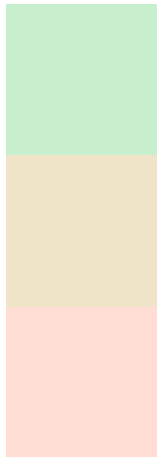


This preview shows how white text looks on a background with the XYZ color 65.5603, 78.3313,

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

65.5603, 78.3313, 70.0566

Protanopia

73.7653, 78.0077, 65.8127

Deuteranopia

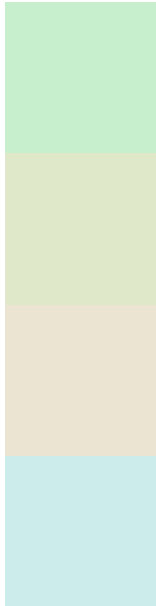
78.9801, 77.7264, 73.1273



Tritanopia

72.2836, 78.5083, 102.6106

Trichromacy



Original Color

65.5603, 78.3313, 70.0566

Protanomaly

70.2578, 77.8248, 67.1958

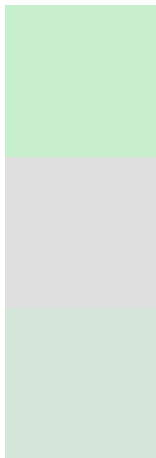
Deuteranomaly

73.6372, 77.8021, 72.1090

Tritanomaly

69.6056, 78.2522, 90.0328

Monochromacy



Original Color

65.5603, 78.3313, 70.0566

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

68.2753, 75.3445, 76.5901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5603, 78.3313, 70.0566 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(199, 239, 206)` looks like.

```
.text, #text, p{  
    color:rgb(199, 239, 206)  
}
```

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(199, 239, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 239, 206) }
```

Border

The CSS property to change the border of an element to XYZ 65.5603, 78.3313, 70.0566 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(199, 239, 206) }
```


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

```
.border{ border-color:rgb(199, 239, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 239, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 239, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 239, 206); box-shadow:4px 4px 4px 4px rgb(199, 239, 206) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5603, 78.3313, 70.0566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 239, 206) }
```

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

```
.background{ background-color: rgb(199,  
239, 206) }
```

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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