

Converting Colors

XYZ(68.5855, 79.1770, 81.4111)

Have a look what the booklet for
XYZ(68.5855, 79.1770, 81.4111)
contains.

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Color

**XYZ(68.5224, 79.1733,
81.4825)**

Conversions

Conversions Part 1

Format	Color
Hex	CBEEDF
RGB	203, 238, 223
RGB Percent	80%, 93%, 87%
CMY	0.2039, 0.0666, 0.1255
CMYK	0.15, 0.00, 0.06, 0.07
HSL	154°, 51%, 86%
HSV	154°, 15%, 93%
XYZ	68.5224, 79.1733, 81.4825
YIQ	225.8250, -16.0450, -12.0850

Conversions

Conversions Part 2

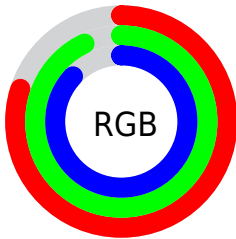
Format	Color
RYB	203, 225, 238
Decimal	13364959
CIELab	91.31, -14.22, 3.44
CIELCh	91, 14.632, 166.389
Yxy	79.1733, 0.2990, 0.3455
Android (android.graphics.Color)	4291555039 (0xFFCBEEDF)
YUV	225.8250, -1.3927, -20.0175
Hunter-Lab	88.9794, -18.2523, 7.9910

Details

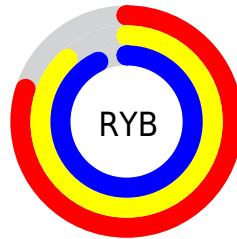
The XYZ color **68.5224, 79.1733, 81.4825** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2735, 65.9529, 75.4123**, and the grayscale version is **72.1822, 75.9413, 82.7001**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1903, 42.6726, 43.3750** is the 20% darker color. If you saturate the color by 10%, you get **61.1979, 75.5537, 74.1758**, and if you desaturate by 10%, it is **76.9293, 83.3456, 89.2758**.

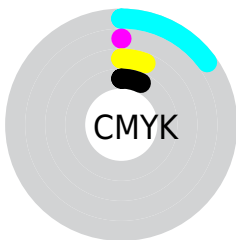
Distribution



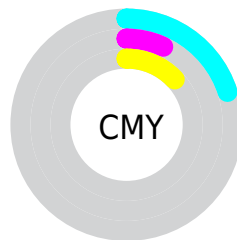
- Red (80%)
- Green (93%)
- Blue (87%)



- Red (80%)
- Yellow (88%)
- Blue (93%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)



- Cyan (20%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5224, 79.1733, 81.4825 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 68.5224, 79.1733, 81.4825 by changing the saturation by 10% instead.

68.5224, 79.1733,
81.4825

68.5224, 79.1733,
81.4825

444.6924,
492.1424, 519.7530

50.5981, 59.0383,
60.4057

116.1370,
132.2028, 137.2782

36.1086, 42.6440,
43.3183

146.5579,
165.8661, 172.8342

24.6886, 29.6059,
29.8017

181.8751,
204.8076, 214.0538

15.9727, 19.5396,
19.4374

222.4540,
249.4118, 261.3554

9.5955, 12.0608,
11.8067

268.6597,
300.0629, 315.1575

5.1918, 6.7851,
6.4913

320.8578,

2.3962, 3.3281,

357.1455, 375.8788

3.0725

379.4136,
421.0439, 443.9378

■ 0.8432, 1.3053,
1.1318

■ 0.0000, 0.1453,
0.0000

■ 68.5224, 79.1733,
81.4825

■ 68.5224, 79.1733,
81.4825

■ 61.1979, 75.5537,
74.1758

■ 76.9293, 83.3456,
89.2758

■ 54.9024, 72.4530,
67.3407

■ 86.4556, 88.0831,
97.5599

■ 49.5878, 69.8488,
60.9688

■ 89.6424, 89.5426,
105.9945

■ 45.1998, 67.7132,
55.0497

■ 89.8660, 89.6321,
107.1720

■ 41.6779, 66.0152,
49.5723

■ 38.9547, 64.7202,
44.5249

■ 36.9516, 63.7880,
39.8952

■ 35.5729, 63.1693,
35.6695

■ 35.0192, 62.9293,
33.5896

Harmonies

Analogous

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



70.1988, 79.1733, 72.8550



68.5224, 79.1733, 81.4825



68.6066, 79.1733, 92.1067

Triad

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



68.5224, 79.1733, 81.4825



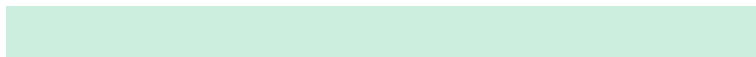
77.2849, 79.1733, 107.3533



80.2858, 79.1733, 72.2299

Complementary

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



68.5224, 79.1733, 81.4825



69.2735, 65.9529, 75.4123

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.



82.3129, 79.1733, 80.5633



68.5224, 79.1733, 81.4825



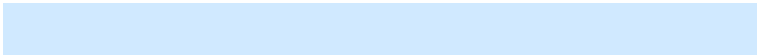
80.5417, 79.1733, 101.0965

Square

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



68.5224, 79.1733, 81.4825



73.5838, 79.1733, 107.6507



82.4081, 79.1733, 91.1092



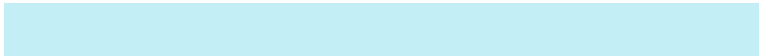
76.9449, 79.1733, 67.8174

Rectangle

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



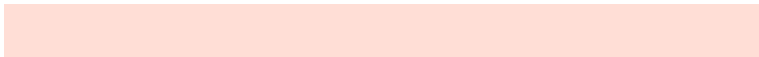
68.5224, 79.1733, 81.4825



69.6483, 79.1733, 98.9179



82.4081, 79.1733, 91.1092



81.1482, 79.1733, 74.6332

Sweetspot

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



68.5246, 79.1766, 81.4843



90.7004, 97.8381, 105.0639



70.3200, 80.3956, 68.3126



19.2436, 20.8569, 22.3358



0.0000, 0.0000, 0.0000



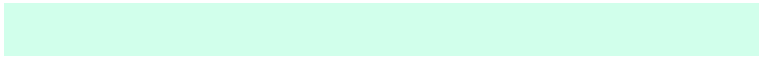
20.3446, 21.4041, 23.3091

Same Dimension

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



68.5246, 79.1766, 81.4843



77.1254, 91.1069, 92.3649



69.9634, 78.6721, 92.3906



15.9444, 17.8078, 18.7301



19.6024, 35.1330, 19.0870



1.6805, 2.9426, 1.8498

Inverse Universe

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



69.2735, 65.9529, 75.4123



78.1763, 72.5545, 83.8475



67.9529, 66.3131, 65.7192



16.0540, 15.8713, 17.8407



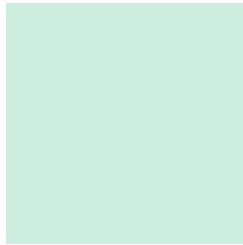
21.0717, 10.7011, 8.2941



1.8018, 0.9098, 0.9473

Previews

White Background



This preview shows how the XYZ color 68.5224, 79.1733, 81.4825 looks on a white background.

Color Contrast Check

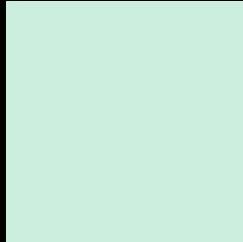
Large Text (above 18pt) WCAG AA × Fail

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 68.5224, 79.1733, 81.4825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

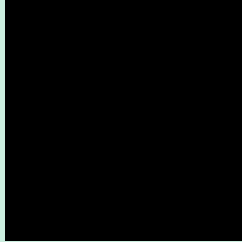
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

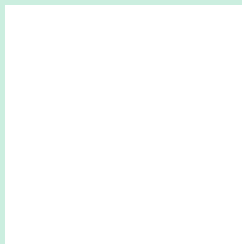
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5224, 79.1733, 81.4825

Background



This preview shows how black text looks on a background with the XYZ color 68.5224, 79.1733, 81.4825.



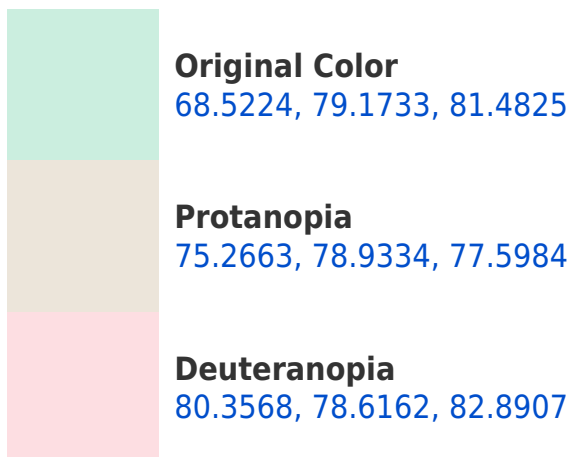
This preview shows how white text looks on a background with the XYZ color 68.5224, 79.1733,

81.4825.

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

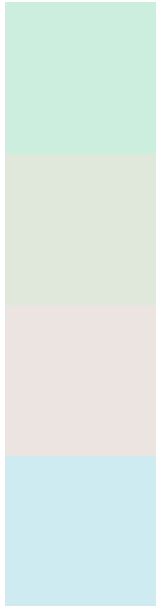




Tritanopia

73.0059, 79.2838, 103.5509

Trichromacy



Original Color

68.5224, 79.1733, 81.4825

Protanomaly

72.5154, 78.7278, 79.0842

Deuteranomaly

75.5950, 78.5852, 82.4183

Tritanomaly

71.0391, 78.8893, 94.7021

Monochromacy



Original Color

68.5224, 79.1733, 81.4825

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

70.8009, 76.9353, 82.3526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5224, 79.1733, 81.4825 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(203, 238, 223)` looks like.

```
.text, #text, p{  
    color:rgb(203, 238, 223)  
}
```

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(203, 238, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 238, 223) }
```

Border

The CSS property to change the border of an element to XYZ 68.5224, 79.1733, 81.4825 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(203, 238, 223) }
```


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

```
.border{ border-color:rgb(203, 238, 223) }
```

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

Here you see how a box with a 4 pixel rgb(203, 238, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 238, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 238, 223);  
box-shadow:4px 4px 4px 4px rgb(203, 238,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5224, 79.1733, 81.4825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 238, 223) }
```

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

```
.background{ background-color: rgb(203,  
238, 223) }
```

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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