

Converting Colors

XYZ(68.4306, 84.6126, 76.3238)

Have a look what the booklet for
XYZ(68.4306, 84.6126, 76.3238)
contains.

XYZ(68.3155, 84.5637, 76.3401)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(68.3155, 84.5637,
76.3401)**

Conversions

Conversions Part 1

Format	Color
Hex	C1FAD6
RGB	193, 250, 214
RGB Percent	76%, 98%, 84%
CMY	0.2431, 0.0196, 0.1608
CMYK	0.23, 0.00, 0.14, 0.02
HSL	142°, 85%, 87%
HSV	142°, 23%, 98%
XYZ	68.3155, 84.5637, 76.3401
YIQ	228.8530, -22.4160, -23.2800

Conversions

Conversions Part 2

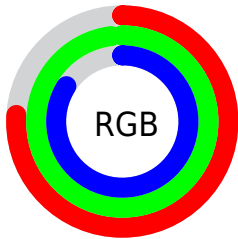
Format	Color
RYB	193, 235, 250
Decimal	12712662
CIELab	93.69, -24.94, 11.45
CIElCh	94, 27.445, 155.334
Yxy	84.5637, 0.2980, 0.3689
Android (android.graphics.Color)	4290902742 (0xFFC1FAD6)
YUV	228.8530, -7.3225, -31.4431
Hunter-Lab	91.9585, -28.3207, 15.1509

Details

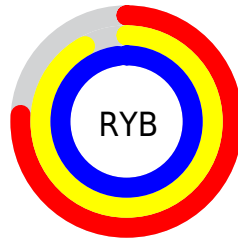
The XYZ color **68.3155, 84.5637, 76.3401** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.6401, 64.1231, 82.6808**, and the grayscale version is **74.4339, 78.3103, 85.2799**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **35.8092, 46.0464, 39.8014** is the 20% darker color. If you saturate the color by 10%, you get **60.5534, 80.7864, 65.9560**, and if you desaturate by 10%, it is **77.3551, 88.9817, 87.8081**.

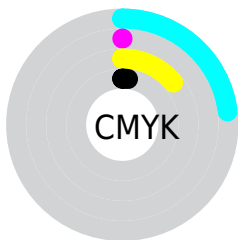
Distribution



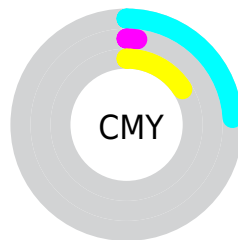
- Red (76%)
- Green (98%)
- Blue (84%)



- Red (76%)
- Yellow (92%)
- Blue (98%)



- Cyan (23%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)





- Cyan (24%)
- Magenta (2%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 68.3155, 84.5637, 76.3401 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 68.3155, 84.5637, 76.3401 by changing the saturation by 10% instead.


 68.3155, 84.5637,
76.3401

 68.3155, 84.5637,
76.3401


443.9723,
510.1833, 501.8889

 50.4291, 63.4809,
56.2031


 115.8428,
139.7634, 129.9720

 35.9736, 46.2304,
39.9607


146.2144,
174.6492, 164.3041

 24.5838, 32.4277,
27.1944


181.4784,
214.9048, 204.2048

 15.8944, 21.6884,
17.4855

222.0002,
260.9145, 250.0929

 9.5398, 13.6281,
10.4156

268.1451,
313.0628, 302.3868

 5.1548, 7.8625,
5.5662

320.2785,

 2.3741, 4.0071,

371.7341, 361.5051

2.5187

378.7658,
437.3128, 427.8663

■ 0.8322, 1.6775,
0.8500

■ 0.0000, 0.4090,
0.0000

■ 68.3155, 84.5637,
76.3401

■ 68.3155, 84.5637,
76.3401

■ 60.5534, 80.7864,
65.9560

■ 77.3551, 88.9817,
87.8081

■ 54.0021, 77.6090,
56.6184

■ 87.7208, 94.0578,
100.3847

■ 48.5994, 75.0024,
48.2961

■ 93.4772, 96.8544,
108.3757

■ 44.2744, 72.9308,
40.9540

■ 40.9478, 71.3540,
34.5549

■ 38.5288, 70.2262,
29.0591

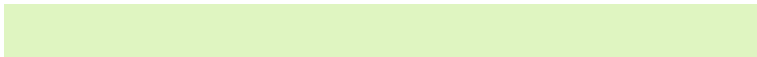
■ 36.9085, 69.4917,
24.4240

■ 36.1235, 69.1489,
21.5919

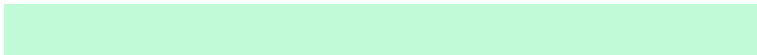
Harmonies

Analogous

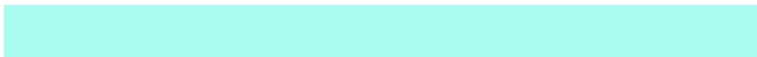
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5496, 84.5637, 63.0940



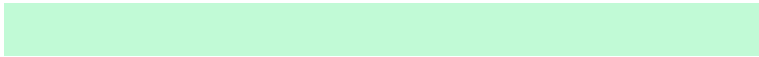
68.3155, 84.5637, 76.3401



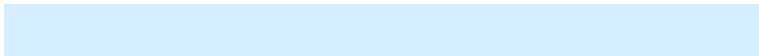
67.2298, 84.5637, 95.8521

Triad

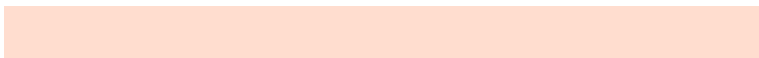
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.3155, 84.5637, 76.3401



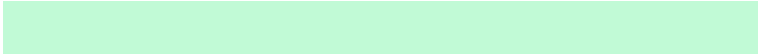
81.6833, 84.5637, 138.0291



92.3423, 84.5637, 70.7848

Complementary

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



68.3155, 84.5637, 76.3401



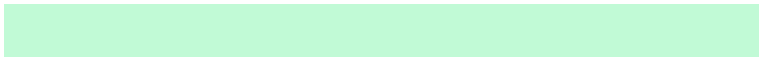
72.6401, 64.1231, 82.6808

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.



95.1314, 84.5637, 88.3995



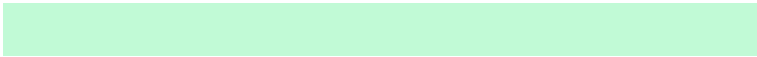
68.3155, 84.5637, 76.3401



88.7444, 84.5637, 128.7990

Square

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



68.3155, 84.5637, 76.3401



74.6747, 84.5637, 133.5159



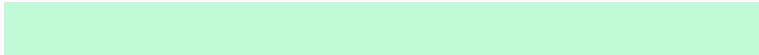
93.7768, 84.5637, 109.8369



86.3588, 84.5637, 60.2420

Rectangle

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



68.3155, 84.5637, 76.3401



68.3774, 84.5637, 110.3138



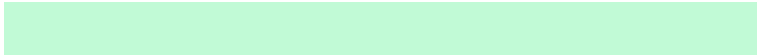
93.7768, 84.5637, 109.8369



93.7004, 84.5637, 75.9671

Sweetspot

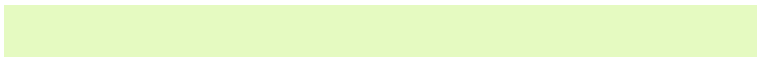
The Sweet Spot groups the original color and five complimentary colors.



68.3178, 84.5672, 76.3420



87.0227, 96.0654, 99.3258



76.1593, 88.8999, 63.5985



18.4853, 20.4928, 21.0889



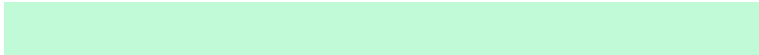
0.0000, 0.0000, 0.0000



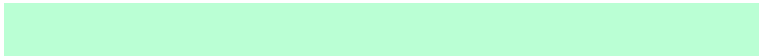
20.3446, 21.4041, 23.3091

Same Dimension

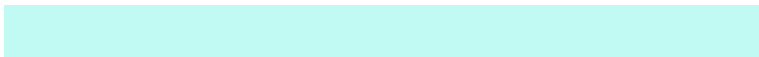
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3178, 84.5672, 76.3420



67.8687, 86.7069, 75.1258



72.2679, 86.1473, 97.1426



17.2817, 19.4150, 19.6842



19.2234, 36.7024, 11.7859



1.8296, 3.4189, 1.3505

Inverse Universe

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



72.6401, 64.1231, 82.6808



73.0623, 62.1338, 82.7371



68.9924, 62.6640, 63.4724



17.7059, 17.4097, 20.3071



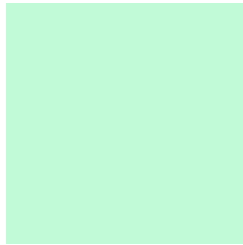
24.2527, 12.1168, 18.5708



2.2973, 1.1427, 1.9890

Previews

White Background



This preview shows how the XYZ color 68.3155, 84.5637, 76.3401 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 68.3155, 84.5637, 76.3401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

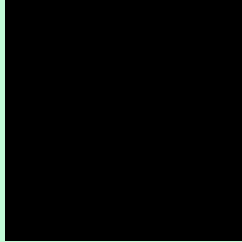
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

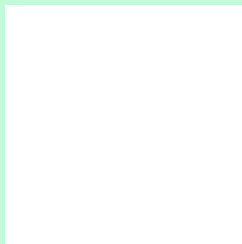
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.3155, 84.5637, 76.3401

Background



This preview shows how black text looks on a background with the XYZ color 68.3155, 84.5637, 76.3401.

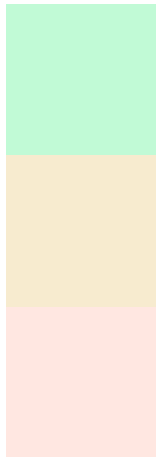


This preview shows how white text looks on a background with the XYZ color 68.3155, 84.5637,

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

68.3155, 84.5637, 76.3401

Protanopia

79.3286, 83.6958, 71.0053

Deuteranopia

83.4065, 83.8481, 83.0225



Tritanopia

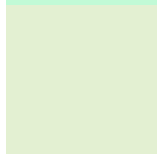
76.9459, 84.2767, 106.8193

Trichromacy



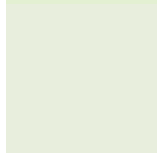
Original Color

68.3155, 84.5637, 76.3401



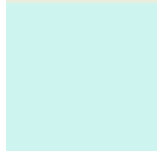
Protanomaly

74.4715, 83.3042, 73.1270



Deuteranomaly

76.9044, 83.5253, 80.4753



Tritanomaly

73.5325, 84.1144, 94.7982

Monochromacy



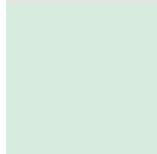
Original Color

68.3155, 84.5637, 76.3401



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.0576, 80.5491, 82.2707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.3155, 84.5637, 76.3401 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(193, 250, 214)` looks like.

```
.text, #text, p{  
    color:rgb(193, 250, 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(193, 250, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 250, 214) }
```

Border

The CSS property to change the border of an element to XYZ 68.3155, 84.5637, 76.3401 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(193, 250, 214) }
```


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

```
.border{ border-color:rgb(193, 250, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 250, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 250, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 250, 214);  
box-shadow:4px 4px 4px 4px rgb(193, 250,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 68.3155, 84.5637, 76.3401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 250, 214) }
```

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

```
.background{ background-color: rgb(193,  
250, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor