

Converting Colors

XYZ(68.5212, 80.7046, 71.6681)

Have a look what the booklet for
XYZ(68.5212, 80.7046, 71.6681)
contains.

XYZ(68.5726, 80.7301, 71.6428)	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(68.5726, 80.7301,
71.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	CFF1D0
RGB	207, 241, 208
RGB Percent	81%, 95%, 82%
CMY	0.1882, 0.0549, 0.1843
CMYK	0.14, 0.00, 0.14, 0.05
HSL	122°, 55%, 88%
HSV	122°, 14%, 95%
XYZ	68.5726, 80.7301, 71.6428
YIQ	227.0720, -9.6710, -17.4710

Conversions

Conversions Part 2

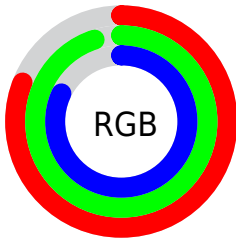
Format	Color
R _Y B	207, 240, 241
Decimal	13627856
CIE Lab	92.01, -17.12, 12.27
CIE LCh	92, 21.067, 144.370
Yxy	80.7301, 0.3104, 0.3654
Android (android.graphics.Color)	4291817936 (0xFFCFF1D0)
YUV	227.0720, -9.4025, -17.6031
Hunter-Lab	89.8499, -21.0079, 15.6194

Details

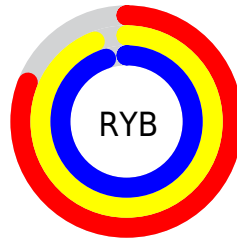
The XYZ color **68.5726, 80.7301, 71.6428** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.3195, 69.6196, 91.9627**, and the grayscale version is **73.1392, 76.9481, 83.7965**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.1306, 43.7064, 37.1037** is the 20% darker color. If you saturate the color by 10%, you get **59.6776, 76.4553, 57.2956**, and if you desaturate by 10%, it is **78.9242, 85.7114, 88.2771**.

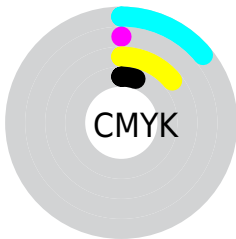
Distribution



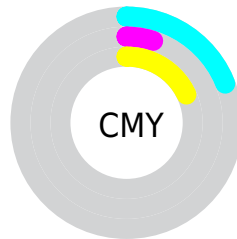
- Red (81%)
- Green (95%)
- Blue (82%)



- Red (81%)
- Yellow (94%)
- Blue (95%)



- Cyan (14%)
- Magenta (0%)
- Yellow (14%)
- Black (5%)



- Cyan (19%)
- Magenta (5%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 68.5726, 80.7301, 71.6428 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 68.5726, 80.7301, 71.6428 by changing the saturation by 10% instead.

68.5726, 80.7301,
71.6428

68.5726, 80.7301,
71.6428

444.8671,
497.3899, 485.2414

50.6391, 60.3193,
52.3819

116.2083,
134.3917, 123.2515

36.1413, 43.6761,
36.9252

146.6413,
168.4114, 156.4364

24.7140, 30.4159,
24.8543

181.9714,
207.7361, 195.0998

15.9917, 20.1545,
15.7505

222.5640,
252.7503, 239.6600

9.6091, 12.5074,
9.1953

268.7846,
303.8384, 290.5358

5.2008, 7.0902,
4.7703

320.9983,

2.4015, 3.5186,

361.3848, 348.1456

2.0567

379.5707,
425.7738, 412.9080

■ 0.8459, 1.4081,
0.5898

■ 0.0000, 0.2227,
0.0000

■ 68.5726, 80.7301,
71.6428

■ 68.5726, 80.7301,
71.6428

■ 59.6776, 76.4553,
57.2956

■ 78.9242, 85.7114,
88.2771

■ 52.1678, 72.8453,
45.1306

■ 90.7122, 91.3799,
107.2832

■ 45.9753, 69.8698,
35.0424

■ 90.7469, 91.3938,
107.4656

■ 41.0243, 67.4922,
26.9152

■ 37.2310, 65.6721,
20.6214

■ 34.5014, 64.3640,
16.0186

■ 32.7268, 63.5154,
12.9436

■ 31.7752, 63.0624,
11.2007

■ 31.4957, 62.9293,
10.6902

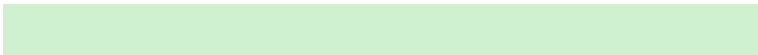
Harmonies

Analogous

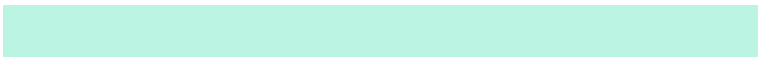
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.5131, 80.7301, 63.4313



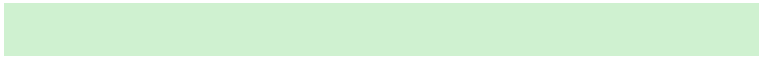
68.5726, 80.7301, 71.6428



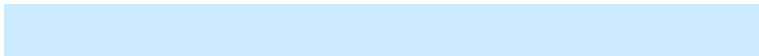
66.8251, 80.7301, 85.0071

Triad

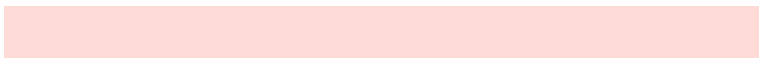
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.5726, 80.7301, 71.6428



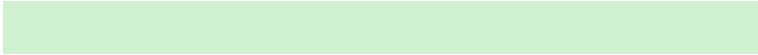
75.7142, 80.7301, 121.0574



86.6164, 80.7301, 76.1574

Complementary

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



68.5726, 80.7301, 71.6428



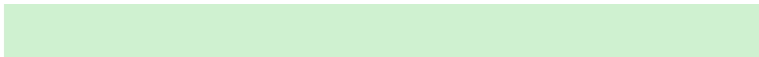
74.3195, 69.6196, 91.9627

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.



87.5717, 80.7301, 90.8606



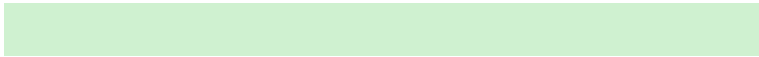
68.5726, 80.7301, 71.6428



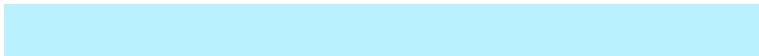
81.1104, 80.7301, 117.9719

Square

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



68.5726, 80.7301, 71.6428



70.8220, 80.7301, 114.4467



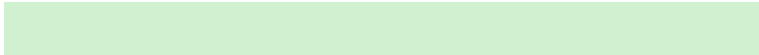
85.5133, 80.7301, 106.4505



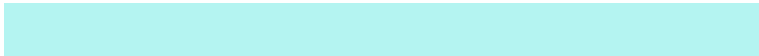
82.9610, 80.7301, 65.8151

Rectangle

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



68.5726, 80.7301, 71.6428



67.0768, 80.7301, 95.5150



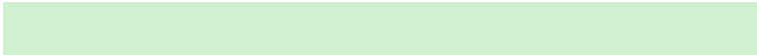
85.5133, 80.7301, 106.4505



87.2710, 80.7301, 80.7034

Sweetspot

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



68.5748, 80.7335, 71.6446



89.8432, 97.4952, 100.5496



78.8038, 86.0210, 71.4827



19.0272, 20.7704, 21.1961



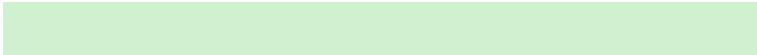
0.0000, 0.0000, 0.0000



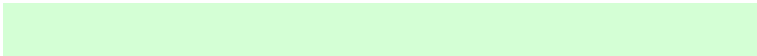
20.3446, 21.4041, 23.3091

Same Dimension

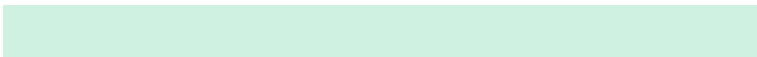
The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.5748, 80.7335, 71.6446



74.8114, 90.2654, 76.3812



70.7214, 81.5922, 82.9485



15.5848, 17.6639, 16.8362



17.0871, 34.1269, 5.8417



1.4281, 2.8417, 0.5206

Inverse Universe

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



74.3195, 69.6196, 91.9627



82.5414, 75.3103, 103.7207



71.9689, 68.6793, 79.5844



16.4330, 16.0229, 19.8364



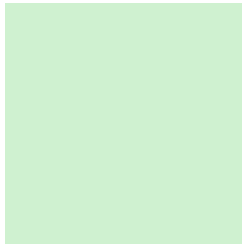
27.7272, 13.3633, 43.3417



2.3129, 1.1142, 3.6388

Previews

White Background



This preview shows how the XYZ color 68.5726, 80.7301, 71.6428 looks on a white background.

Color Contrast Check

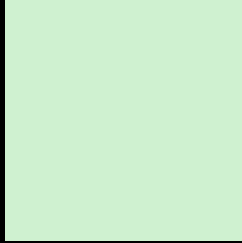
Large Text (above 18pt) WCAG AA × Fail

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 68.5726, 80.7301, 71.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

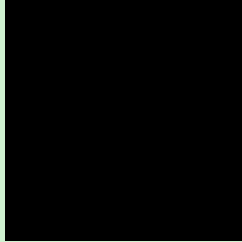
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

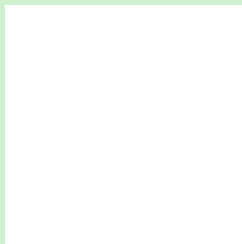
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 68.5726, 80.7301, 71.6428

Background



This preview shows how black text looks on a background with the XYZ color 68.5726, 80.7301, 71.6428.



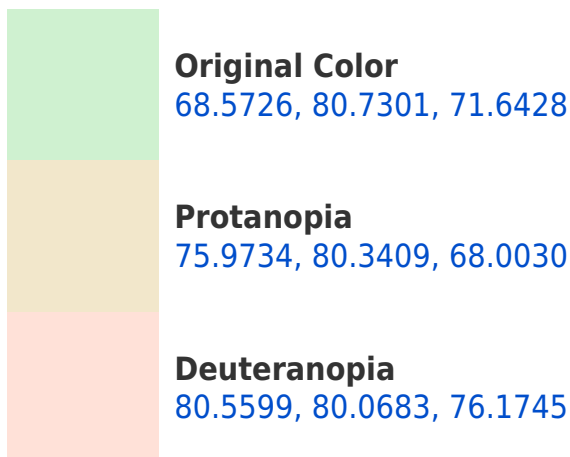
This preview shows how white text looks on a background with the XYZ color 68.5726, 80.7301,

71.6428.

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

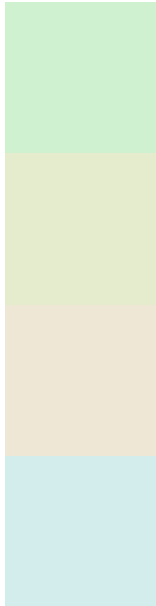




Tritanopia

75.1695, 80.8047, 104.5635

Trichromacy



Original Color

68.5726, 80.7301, 71.6428

Protanomaly

73.0409, 80.4825, 69.4426

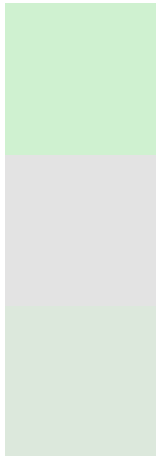
Deuteranomaly

75.8460, 80.1331, 74.4205

Tritanomaly

72.4342, 80.5317, 91.8472

Monochromacy



Original Color

68.5726, 80.7301, 71.6428

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2901, 78.0962, 79.0268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 68.5726, 80.7301, 71.6428 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, 241, 208)` looks like.

```
.text, #text, p{  
    color:rgb(207, 241, 208)  
}
```

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, 241, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 241, 208) }
```

Border

The CSS property to change the border of an element to XYZ 68.5726, 80.7301, 71.6428 is called "border". The border property can be set on classes, ids or directly on the HTML element.

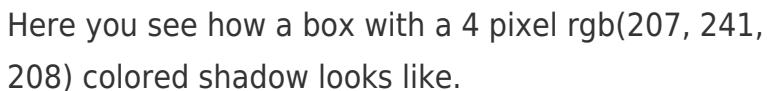
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(207, 241, 208) }
```


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

```
.border{ border-color:rgb(207, 241, 208) }
```

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



Here you see how a box with a 4 pixel `rgb(207, 241, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 241, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 241, 208);  
box-shadow:4px 4px 4px 4px rgb(207, 241,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 68.5726, 80.7301, 71.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 241, 208) }
```

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

```
.background{ background-color: rgb(207,  
241, 208) }
```

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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