

Converting Colors

XYZ(66.2085, 80.3473, 58.7708)

Have a look what the booklet for
XYZ(66.2085, 80.3473, 58.7708)
contains.

XYZ(66.1754, 80.2139, 59.0087) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(66.1754, 80.2139,
59.0087)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF2BB
RGB	206, 242, 187
RGB Percent	81%, 95%, 73%
CMY	0.1922, 0.0510, 0.2667
CMYK	0.15, 0.00, 0.23, 0.05
HSL	99°, 68%, 84%
HSV	99°, 23%, 95%
XYZ	66.1754, 80.2139, 59.0087
YIQ	224.9660, -3.8010, -24.7370

Conversions

Conversions Part 2

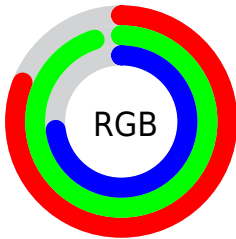
Format	Color
RYB	187, 242, 223
Decimal	13562555
CIELab	91.78, -21.42, 22.77
CIELCh	92, 31.258, 133.248
Yxy	80.2139, 0.3222, 0.3905
Android (android.graphics.Color)	4291752635 (0xFFCEF2BB)
YUV	224.9660, -18.7172, -16.6332
Hunter-Lab	89.5622, -24.8444, 23.6299

Details

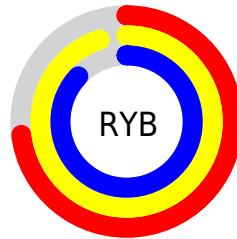
The XYZ color **66.1754, 80.2139, 59.0087** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.2319, 57.6416, 91.7492**, and the grayscale version is **71.6777, 75.4105, 82.1220**.

A 20% lighter version of the original color is **93.1777, 99.2511, 99.0404**, and **34.6245, 43.4184, 29.1099** is the 20% darker color. If you saturate the color by 10%, you get **59.6220, 77.1124, 46.2990**, and if you desaturate by 10%, it is **73.6130, 83.7255, 74.0421**.

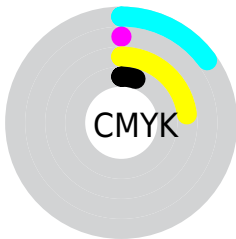
Distribution



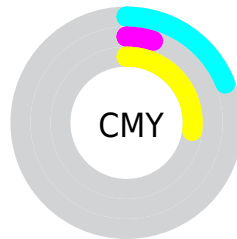
- Red (81%)
- Green (95%)
- Blue (73%)



- Red (73%)
- Yellow (95%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (23%)
- Black (5%)



- Cyan (19%)
- Magenta (5%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.1754, 80.2139, 59.0087 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 66.1754, 80.2139, 59.0087 by changing the saturation by 10% instead.

66.1754, 80.2139,
59.0087

66.1754, 80.2139,
59.0087

436.4827,
495.6534, 438.6369

48.6830, 59.8944,
42.2001

112.7944,
133.6664, 104.9196

34.5816, 43.3335,
28.9312

142.6517,
167.5682, 134.8589

23.5058, 30.1469,
18.7837

177.3614,
206.7662, 170.0121

15.0901, 19.9501,
11.3388

217.2888,
251.6449, 210.7979

8.9694, 12.3588,
6.1782

262.7993,
302.5885, 257.6347

4.7782, 6.9885,
2.8832


314.2582,


2.1511, 3.4549,


359.9815, 310.9412


1.0353


372.0308,
424.2084, 371.1357


 0.7168, 1.3736,
0.0000


 0.0000, 0.1971,
0.0000


 66.1754, 80.2139,
59.0087


 66.1754, 80.2139,
59.0087


 59.6220, 77.1124,
46.2990


 73.6130, 83.7255,
74.0421


 53.9115, 74.3952,
35.7918

 81.9612, 87.6514,
91.5016

 49.0085, 72.0491,
27.3632

 90.5031, 91.7087,
107.5393

 44.8725, 70.0563,
20.8747

 91.0437, 91.9874,
107.5646

■ 41.4590, 68.3971,
16.1710

■ 38.7178, 67.0497,
13.0729

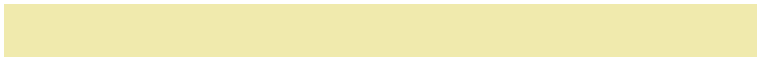
■ 36.5907, 65.9887,
11.3638

■ 35.3735, 65.3735,
10.7540

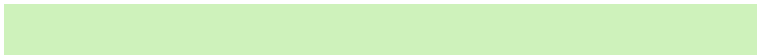
Harmonies

Analogous

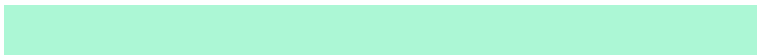
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7683, 80.2139, 51.0792



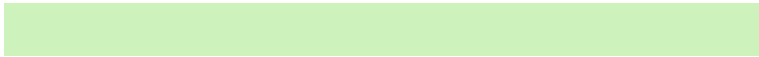
66.1754, 80.2139, 59.0087



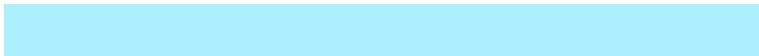
62.4337, 80.2139, 75.2417

Triad

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



66.1754, 80.2139, 59.0087



71.8907, 80.2139, 136.7056



92.2232, 80.2139, 77.6235

Complementary

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



66.1754, 80.2139, 59.0087



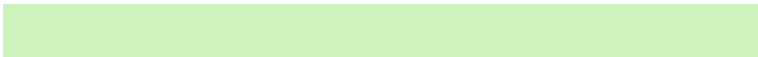
64.2319, 57.6416, 91.7492

Split Complementary

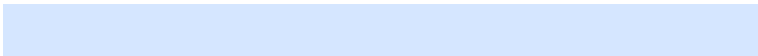
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9470, 80.2139, 100.6687



66.1754, 80.2139, 59.0087



79.8223, 80.2139, 137.6482

Square

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



66.1754, 80.2139, 59.0087



65.5717, 80.2139, 121.1508



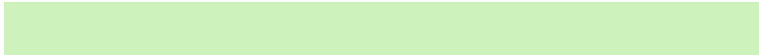
87.2786, 80.2139, 123.5367



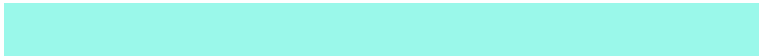
88.0088, 80.2139, 60.4883

Rectangle

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



66.1754, 80.2139, 59.0087



61.8853, 80.2139, 89.8602



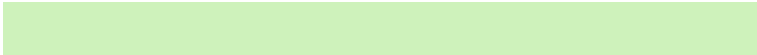
87.2786, 80.2139, 123.5367



92.6608, 80.2139, 84.8660

Sweetspot

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



66.1775, 80.2174, 59.0104



88.1392, 96.7541, 94.2657



71.9117, 75.1102, 57.7224



18.7431, 20.6518, 19.9206



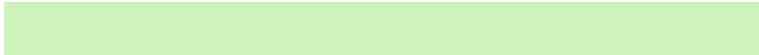
0.0000, 0.0000, 0.0000



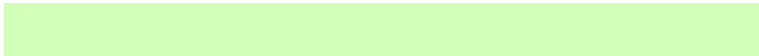
20.3446, 21.4041, 23.3091

Same Dimension

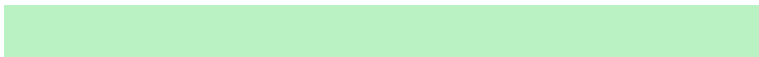
The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.1775, 80.2174, 59.0104



71.1979, 88.7632, 59.9185



62.1267, 78.0241, 63.5653



16.0807, 17.9218, 16.7614



19.1343, 35.1856, 5.7830



1.6950, 2.9803, 0.4859

Inverse Universe

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



64.2319, 57.6416, 91.7492



68.6659, 59.4263, 102.4591



69.2066, 60.3461, 85.6578



15.8934, 15.7423, 19.9225



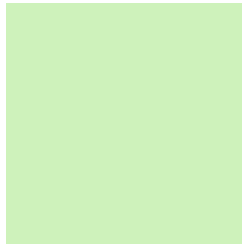
16.3807, 7.4500, 45.7025



1.4693, 0.6747, 3.8070

Previews

White Background



This preview shows how the XYZ color 66.1754, 80.2139, 59.0087 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 66.1754, 80.2139, 59.0087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

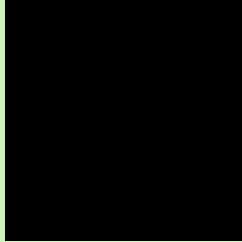
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

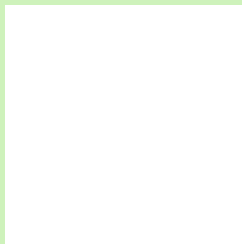
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 66.1754, 80.2139, 59.0087

Background



This preview shows how black text looks on a background with the XYZ color 66.1754, 80.2139, 59.0087.



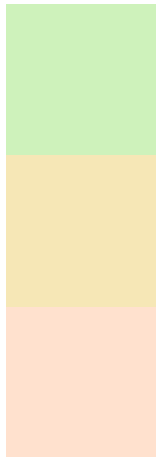
This preview shows how white text looks on a background with the XYZ color 66.1754, 80.2139, 59.0087.

59.0087.

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

66.1754, 80.2139, 59.0087

Protanopia

75.0254, 80.1221, 55.7668

Deuteranopia

79.3058, 79.5667, 69.5706



Tritanopia

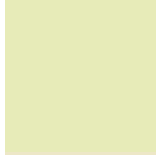
75.0285, 79.9050, 103.5642

Trichromacy



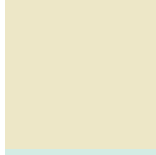
Original Color

66.1754, 80.2139, 59.0087



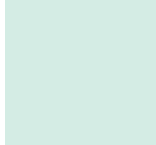
Protanomaly

71.3151, 79.8663, 57.0044



Deuteranomaly

73.8098, 79.2799, 65.4452



Tritanomaly

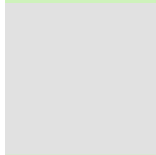
71.1504, 79.5894, 85.0110

Monochromacy



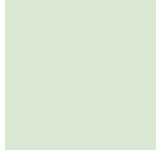
Original Color

66.1754, 80.2139, 59.0087



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

69.2472, 76.7604, 72.7945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.1754, 80.2139, 59.0087 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(206, 242, 187)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 187)  
}
```

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(206, 242, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 187) }
```

Border

The CSS property to change the border of an element to XYZ 66.1754, 80.2139, 59.0087 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(206, 242, 187) }
```


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

```
.border{ border-color:rgb(206, 242, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 242, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 187);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 66.1754, 80.2139, 59.0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 242, 187) }
```

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

```
.background{ background-color: rgb(206,  
242, 187) }
```

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