

Converting Colors

XYZ(65.0727, 81.5521, 46.6617)

Have a look what the booklet for
XYZ(65.0727, 81.5521, 46.6617)
contains.

XYZ(65.2095, 81.7856, 46.5317)	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(65.2095, 81.7856,
46.5317)**

Conversions

Conversions Part 1

Format	Color
Hex	CFF6A2
RGB	207, 246, 162
RGB Percent	81%, 96%, 64%
CMY	0.1882, 0.0353, 0.3647
CMYK	0.16, 0.00, 0.34, 0.04
HSL	88°, 82%, 80%
HSV	88°, 34%, 96%
XYZ	65.2095, 81.7856, 46.5317
YIQ	224.7630, 3.7200, -34.3920

Conversions

Conversions Part 2

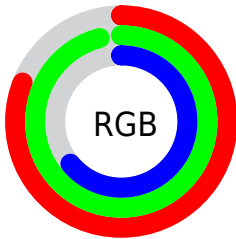
Format	Color
RYB	162, 246, 201
Decimal	13629090
CIELab	92.48, -26.60, 36.39
CIELCh	92, 45.073, 126.165
Yxy	81.7856, 0.3370, 0.4226
Android (android.graphics.Color)	4291819170 (0xFFCFF6A2)
YUV	224.7630, -30.9422, -15.5782
Hunter-Lab	90.4354, -29.5524, 32.7983

Details

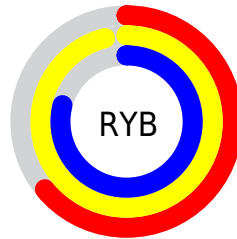
The XYZ color **65.2095, 81.7856, 46.5317** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **53.6457, 44.9143, 93.0352**, and the grayscale version is **71.6130, 75.3424, 82.0479**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **34.1227, 44.6064, 21.2794** is the 20% darker color. If you saturate the color by 10%, you get **60.1570, 79.4119, 35.9758**, and if you desaturate by 10%, it is **70.9249, 84.4566, 59.3548**.

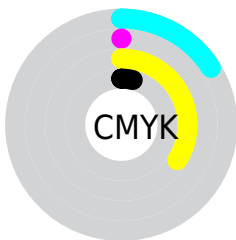
Distribution



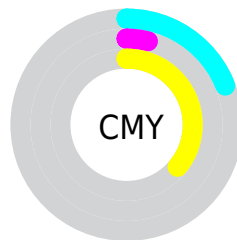
- Red (81%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (79%)



- Cyan (16%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)





- Cyan (19%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.2095, 81.7856, 46.5317 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 65.2095, 81.7856, 46.5317 by changing the saturation by 10% instead.

 65.2095, 81.7856,
46.5317


 65.2095, 81.7856,
46.5317


433.0778,
500.9303, 389.2817

 47.8963, 61.1888,
32.3139


 111.4150,
135.8733, 86.3568

 33.9557, 44.3776,
21.3346


 141.0381,
170.1330, 112.8012

 23.0223, 30.9675,
13.1752


175.4951,
209.7158, 144.1583

 14.7307, 20.5741,
7.4171

215.1515,
255.0061, 180.8465

 8.7157, 12.8130,
3.6419

260.3726,
306.3883, 223.2844

 4.6118, 7.2999,
1.4310


311.5238,


 2.0538, 3.6504,


364.2468, 271.8905


0.1658


368.9704,
428.9660, 327.0834


 0.6639, 1.4800,
0.0000


 0.0000, 0.2746,
0.0000


 65.2095, 81.7856,
46.5317


 65.2095, 81.7856,
46.5317


 60.1570, 79.4119,
35.9758


 70.9249, 84.4566,
59.3548


 55.7313, 77.3123,
27.5496

 77.3247, 87.4259,
74.5614

 51.9017, 75.4766,
21.1091

 84.4368, 90.7079,
92.2659

 48.6319, 73.8899,
16.4901

 91.4033, 93.9598,
107.9263

■ 45.8805, 72.5347,
13.5019

■ 92.2475, 94.3950,
107.9658

■ 43.5976, 71.3907,
11.9118

■ 42.4385, 70.8026,
11.4295

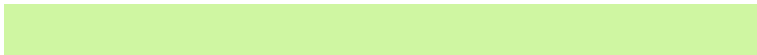
Harmonies

Analogous

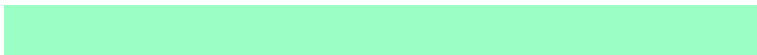
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3455, 81.7856, 39.1541



65.2095, 81.7856, 46.5317



58.9321, 81.7856, 65.4860

Triad

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



65.2095, 81.7856, 46.5317



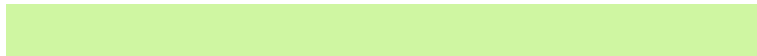
69.0000, 81.7856, 161.8747



102.2946, 81.7856, 82.3139

Complementary

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



65.2095, 81.7856, 46.5317



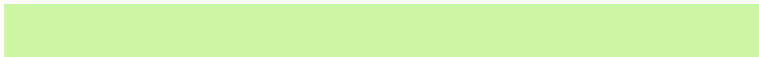
53.6457, 44.9143, 93.0352

Split Complementary

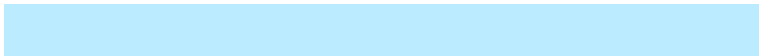
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.1635, 81.7856, 117.6823



65.2095, 81.7856, 46.5317



80.1741, 81.7856, 169.6185

Square

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



65.2095, 81.7856, 46.5317



60.9623, 81.7856, 132.7010



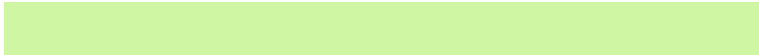
91.7692, 81.7856, 151.7932



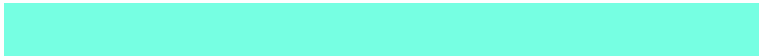
97.3319, 81.7856, 56.2057

Rectangle

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



65.2095, 81.7856, 46.5317



57.3936, 81.7856, 84.8139



91.7692, 81.7856, 151.7932



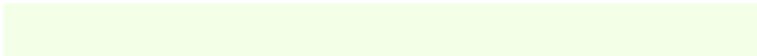
102.3904, 81.7856, 93.4261

Sweetspot

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



65.2116, 81.7892, 46.5335



86.9900, 96.2882, 88.4959



65.1387, 63.4204, 42.9918



18.3906, 20.5040, 18.3761



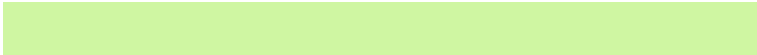
0.0000, 0.0000, 0.0000



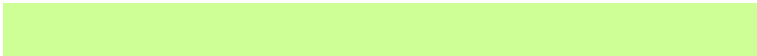
20.3446, 21.4041, 23.3091

Same Dimension

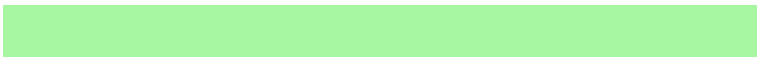
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.2116, 81.7892, 46.5335



66.8813, 86.9235, 42.2974



55.2477, 76.6526, 46.0672



17.1300, 18.9091, 17.5445



22.8146, 37.8741, 6.1080



2.1238, 3.3899, 0.5424

Inverse Universe

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



53.6457, 44.9143, 93.0352



52.5803, 41.3181, 99.8116



66.1074, 51.3386, 93.6184



16.3126, 16.3038, 20.8297



12.7568, 5.5507, 46.9371



1.2385, 0.5483, 4.1308

Previews

White Background



This preview shows how the XYZ color 65.2095, 81.7856, 46.5317 looks on a white background.

Color Contrast Check

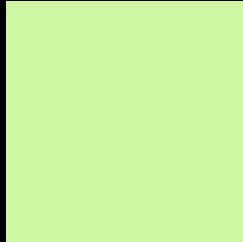
Large Text (above 18pt) WCAG AA × Fail

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 65.2095, 81.7856, 46.5317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

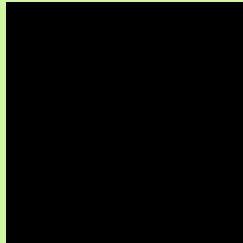
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

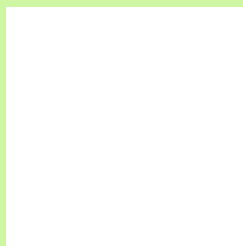
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.2095, 81.7856, 46.5317

Background



This preview shows how black text looks on a background with the XYZ color 65.2095, 81.7856, 46.5317.

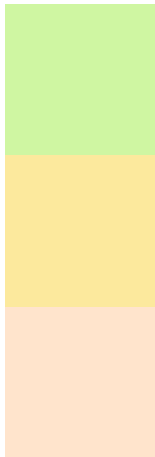


This preview shows how white text looks on a background with the XYZ color 65.2095, 81.7856,

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

65.2095, 81.7856, 46.5317

Protanopia

75.3696, 81.4076, 43.6391

Deuteranopia

79.8825, 81.1064, 68.5716



Tritanopia

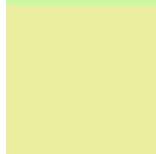
76.9532, 81.7242, 104.6470

Trichromacy



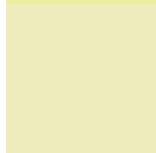
Original Color

65.2095, 81.7856, 46.5317



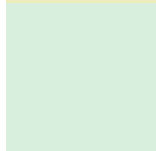
Protanomaly

71.4246, 81.4851, 44.7646



Deuteranomaly

74.1535, 81.2679, 59.9221



Tritanomaly

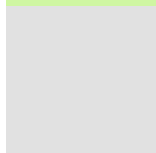
71.8091, 81.3474, 79.6270

Monochromacy



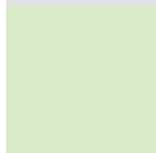
Original Color

65.2095, 81.7856, 46.5317



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.7130, 77.4475, 67.2044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.2095, 81.7856, 46.5317 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, 246, 162)` looks like.

```
.text, #text, p{  
    color:rgb(207, 246, 162)  
}
```

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, 246, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 246, 162) }
```

Border

The CSS property to change the border of an element to XYZ 65.2095, 81.7856, 46.5317 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, 246, 162) }
```


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

```
.border{ border-color:rgb(207, 246, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 246, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 246, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 246, 162);  
box-shadow:4px 4px 4px 4px rgb(207, 246,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 65.2095, 81.7856, 46.5317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 246, 162) }
```

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

```
.background{ background-color: rgb(207,  
246, 162) }
```

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