

Converting Colors

XYZ(70.6997, 88.0457, 65.3021)

Have a look what the booklet for
XYZ(70.6997, 88.0457, 65.3021)
contains.

XYZ(70.5825, 87.8483, 65.4609)	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(70.5825, 87.8483,
65.4609)**

Conversions

Conversions Part 1

Format	Color
Hex	CDFEC4
RGB	205, 254, 196
RGB Percent	80%, 100%, 77%
CMY	0.1961, 0.0039, 0.2314
CMYK	0.19, 0.00, 0.23, 0.00
HSL	111°, 97%, 88%
HSV	111°, 23%, 100%
XYZ	70.5825, 87.8483, 65.4609
YIQ	232.7370, -10.5860, -28.4260

Conversions

Conversions Part 2

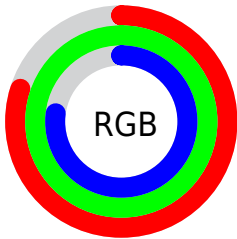
Format	Color
RYB	196, 254, 245
Decimal	13500100
CIELab	95.10, -26.08, 22.75
CIELCh	95, 34.610, 138.909
Yxy	87.8483, 0.3153, 0.3924
Android (android.graphics.Color)	4291690180 (0xFFCDFEC4)
YUV	232.7370, -18.1113, -24.3253
Hunter-Lab	93.7274, -29.6015, 24.2000

Details

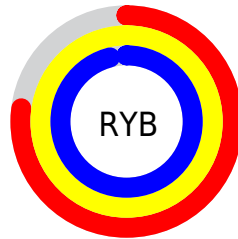
The XYZ color **70.5825, 87.8483, 65.4609** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.2891, 66.0506, 102.5514**, and the grayscale version is **77.3939, 81.4244, 88.6712**.

A 20% lighter version of the original color is **94.7296, 99.8718, 107.2129**, and **37.4264, 48.3695, 32.9549** is the 20% darker color. If you saturate the color by 10%, you get **62.4138, 83.9460, 51.2430**, and if you desaturate by 10%, it is **80.0573, 92.3725, 82.2985**.

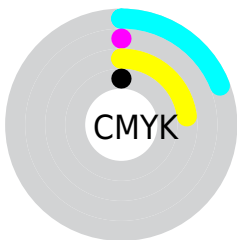
Distribution



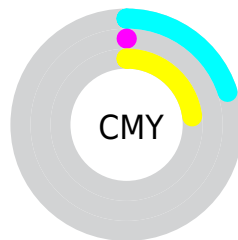
- Red (80%)
- Green (100%)
- Blue (77%)



- Red (77%)
- Yellow (100%)
- Blue (96%)



- Cyan (19%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (20%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.5825, 87.8483, 65.4609 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 70.5825, 87.8483, 65.4609 by changing the saturation by 10% instead.


 70.5825, 87.8483,
65.4609

 70.5825, 87.8483,
65.4609

451.8272,
521.0063, 462.7979

 52.2829, 66.1974,
47.3812

119.0608,
144.3459, 114.3318

 37.4558, 48.4327,
32.9806


149.9702,
179.9615, 145.9602

 25.7359, 34.1697,
21.8406

185.8136,
221.0008, 182.9418

 16.7578, 23.0240,
13.5426

226.9562,
267.8481, 225.6952

 10.1562, 14.6112,
7.6681

273.7636,
320.8880, 274.6389

 5.5657, 8.5470,
3.7986

326.6009,

 2.6210, 4.4469,

380.5047, 330.1916

1.5155

385.8337,
447.0827, 392.7718

■ 0.9567, 1.9266,
0.2295

■ 0.0000, 0.5643,
0.0000

■ 70.5825, 87.8483,
65.4609

■ 70.5825, 87.8483,
65.4609

■ 62.4138, 83.9460,
51.2430

■ 80.0573, 92.3725,
82.2985

■ 55.4869, 80.6276,
39.5077

■ 90.8850, 97.5323,
101.8721

■ 49.7420, 77.8680,
30.1143

■ 94.7336, 99.3671,
108.7945

■ 45.1120, 75.6359,
22.9056

■ 41.5227, 73.8969,
17.7052

■ 38.8905, 72.6124,
14.3094

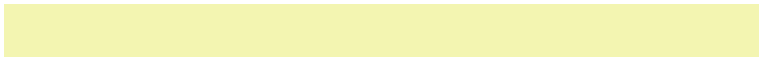
■ 37.1181, 71.7376,
12.4712

■ 36.2958, 71.3265,
11.8544

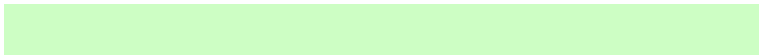
Harmonies

Analogous

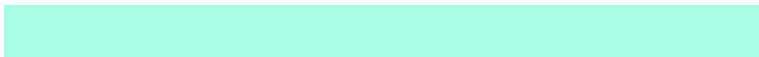
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7666, 87.8483, 54.5081



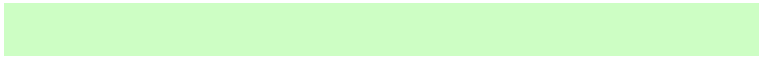
70.5825, 87.8483, 65.4609



66.9615, 87.8483, 86.0206

Triad

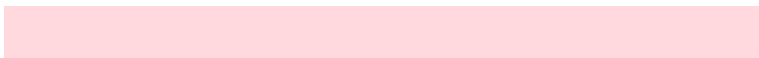
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.5825, 87.8483, 65.4609



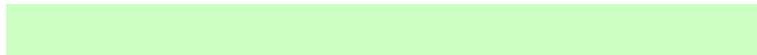
80.0628, 87.8483, 156.0867



101.8219, 87.8483, 79.8141

Complementary

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



70.5825, 87.8483, 65.4609



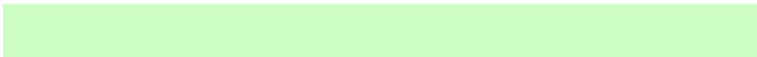
75.2891, 66.0506, 102.5514

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.



102.5529, 87.8483, 105.9764



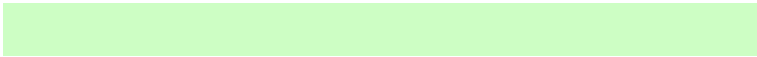
70.5825, 87.8483, 65.4609



89.5026, 87.8483, 153.5644

Square

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



70.5825, 87.8483, 65.4609



72.1545, 87.8483, 140.2912



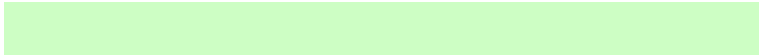
97.8983, 87.8483, 133.9367



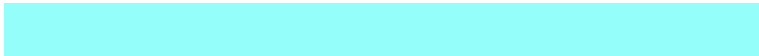
95.9703, 87.8483, 61.6551

Rectangle

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



70.5825, 87.8483, 65.4609



66.8583, 87.8483, 103.9083



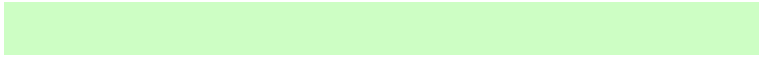
97.8983, 87.8483, 133.9367



102.6902, 87.8483, 87.8448

Sweetspot

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



70.5848, 87.8521, 65.4628



86.9758, 96.1544, 94.2112



83.2917, 89.9626, 65.2005



18.4743, 20.5133, 19.9080



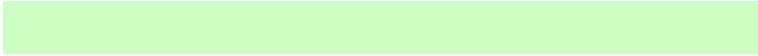
0.0000, 0.0000, 0.0000



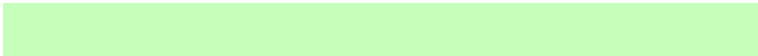
20.3446, 21.4041, 23.3091

Same Dimension

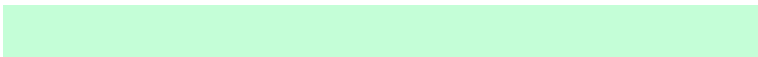
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.5848, 87.8521, 65.4628



67.6208, 86.9192, 59.7511



70.5182, 87.5468, 77.6986



18.0339, 20.3034, 19.1128



19.2113, 37.6419, 6.2531



1.9431, 3.7025, 0.6122

Inverse Universe

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



75.2891, 66.0506, 102.5514



73.0592, 61.6911, 102.6647



75.5634, 66.5319, 87.2077



18.4995, 18.1493, 22.7781



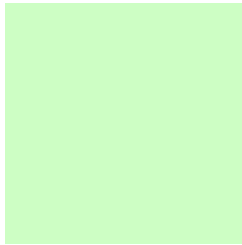
24.2462, 11.4099, 50.3590



2.4321, 1.1477, 4.9066

Previews

White Background



This preview shows how the XYZ color 70.5825, 87.8483, 65.4609 looks on a white background.

Color Contrast Check

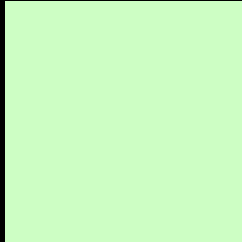
Large Text (above 18pt) WCAG AA × Fail

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 70.5825, 87.8483, 65.4609 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

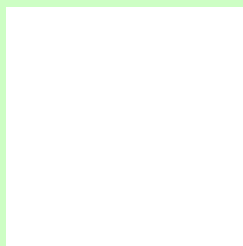
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.5825, 87.8483, 65.4609

Background



This preview shows how black text looks on a background with the XYZ color 70.5825, 87.8483, 65.4609.



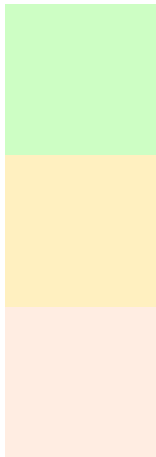
This preview shows how white text looks on a background with the XYZ color 70.5825, 87.8483,

65.4609.

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

70.5825, 87.8483, 65.4609

Protanopia

81.9145, 87.3859, 62.4190

Deuteranopia

85.2517, 87.3194, 84.3126



Tritanopia

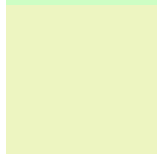
81.4646, 87.4899, 107.2013

Trichromacy



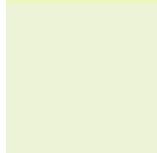
Original Color

70.5825, 87.8483, 65.4609



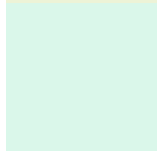
Protanomaly

77.2031, 87.1596, 63.2065



Deuteranomaly

79.2414, 87.0120, 76.9085



Tritanomaly

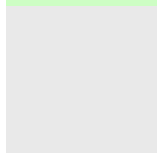
77.0255, 87.3675, 90.6458

Monochromacy



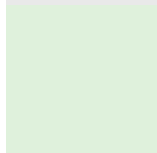
Original Color

70.5825, 87.8483, 65.4609



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

74.8050, 83.7659, 79.9359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.5825, 87.8483, 65.4609 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(205, 254, 196)` looks like.

```
.text, #text, p{  
    color:rgb(205, 254, 196)  
}
```

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(205, 254, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 254, 196) }
```

Border

The CSS property to change the border of an element to XYZ 70.5825, 87.8483, 65.4609 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(205, 254, 196) }
```


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

```
.border{ border-color:rgb(205, 254, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 254, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 254, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 254, 196);  
box-shadow:4px 4px 4px 4px rgb(205, 254,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 70.5825, 87.8483, 65.4609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 254, 196) }
```

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

```
.background{ background-color: rgb(205,  
254, 196) }
```

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