

Converting Colors

XYZ(69.7320, 87.6183, 78.2408)

Have a look what the booklet for
XYZ(69.7320, 87.6183, 78.2408)
contains.

XYZ(69.6405, 87.5542, 78.1950)	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(69.6405, 87.5542,
78.1950)**

Conversions

Conversions Part 1

Format	Color
Hex	BFFFD8
RGB	191, 255, 216
RGB Percent	75%, 100%, 85%
CMY	0.2510, 0.0000, 0.1529
CMYK	0.25, 0.00, 0.15, 0.00
HSL	143°, 100%, 87%
HSV	143°, 25%, 100%
XYZ	69.6405, 87.5542, 78.1950
YIQ	231.4180, -25.6250, -25.6970

Conversions

Conversions Part 2

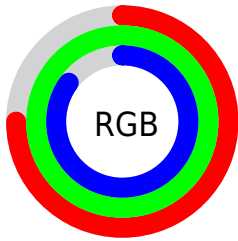
Format	Color
RYB	191, 237, 255
Decimal	12582872
CIELab	94.97, -27.57, 12.23
CIELCh	95, 30.163, 156.081
Yxy	87.5542, 0.2959, 0.3720
Android (android.graphics.Color)	4290772952 (0xFFBFFFD8)
YUV	231.4180, -7.6011, -35.4466
Hunter-Lab	93.5704, -30.8982, 15.9518

Details

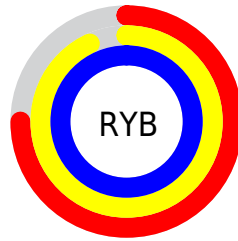
The XYZ color **69.6405, 87.5542, 78.1950** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.1541, 64.2355, 83.3531**, and the grayscale version is **76.3353, 80.3106, 87.4583**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **36.7804, 48.1956, 41.0824** is the 20% darker color. If you saturate the color by 10%, you get **61.8612, 83.7651, 67.8358**, and if you desaturate by 10%, it is **78.7277, 91.9956, 89.6099**.

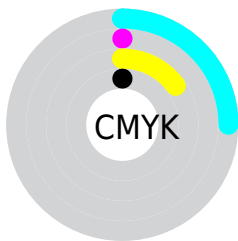
Distribution



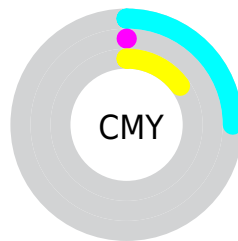
- Red (75%)
- Green (100%)
- Blue (85%)



- Red (75%)
- Yellow (93%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (25%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.6405, 87.5542, 78.1950 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 69.6405, 87.5542, 78.1950 by changing the saturation by 10% instead.


 69.6405, 87.5542,
78.1950

 69.6405, 87.5542,
78.1950


448.5729,
520.0422, 508.3743

 51.5120, 65.9539,
57.7168


 117.7250,
143.9364, 132.6133

 36.8390, 48.2350,
41.1678


148.4118,
179.4870, 167.3905

 25.2559, 34.0130,
28.1295


184.0153,
220.4566, 207.7712

 16.3976, 22.9036,
18.1834

224.9011,
267.2295, 254.1737

 9.8986, 14.5223,
10.9110

271.4344,
320.1901, 307.0168

 5.3935, 8.4849,
5.8936

323.9805,

 2.5171, 4.4067,

379.7229, 366.7189

2.7127

382.9049,
446.2121, 433.6985

■ 0.9039, 1.9036,
0.9498

■ 0.0000, 0.5505,
0.0000

■ 69.6405, 87.5542,
78.1950

■ 69.6405, 87.5542,
78.1950

■ 61.8612, 83.7651,
67.8358

■ 78.7277, 91.9956,
89.6099

■ 55.3245, 80.5952,
58.4978

■ 89.1793, 97.1179,
102.1053

■ 49.9626, 78.0103,
50.1506

95.0500, 100.0000,
108.9000

■ 45.7000, 75.9719,
42.7607

■ 42.4519, 74.4373,
36.2925

■ 40.1202, 73.3564,
30.7082

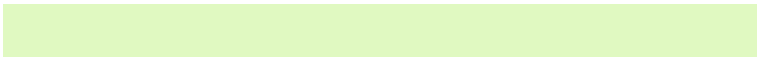
■ 38.5848, 72.6682,
25.9666

■ 38.0416, 72.4326,
23.9346

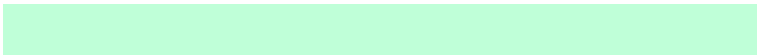
Harmonies

Analogous

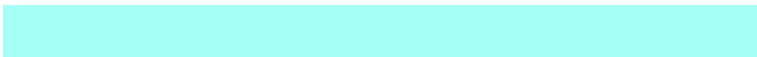
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2864, 87.5542, 63.3389



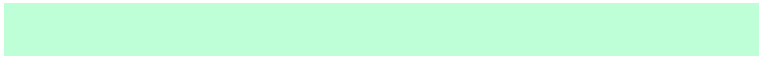
69.6405, 87.5542, 78.1950



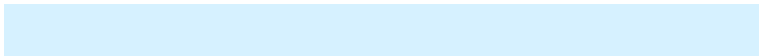
68.5245, 87.5542, 100.1877

Triad

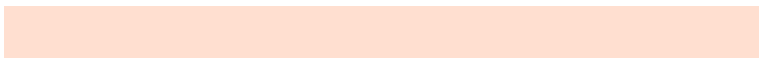
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



69.6405, 87.5542, 78.1950



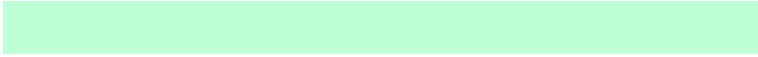
84.8964, 87.5542, 147.5592



96.6002, 87.5542, 71.1683

Complementary

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



69.6405, 87.5542, 78.1950



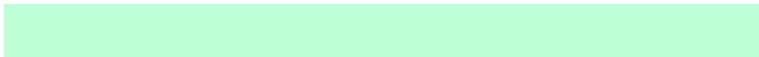
74.1541, 64.2355, 83.3531

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.



99.8739, 87.5542, 90.6351



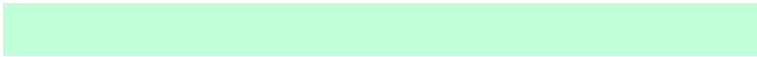
69.6405, 87.5542, 78.1950



92.8375, 87.5542, 136.6094

Square

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



69.6405, 87.5542, 78.1950



76.9965, 87.5542, 142.7701



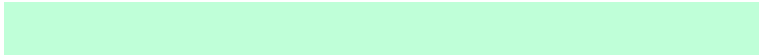
98.4538, 87.5542, 114.8051



89.7651, 87.5542, 59.7716

Rectangle

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



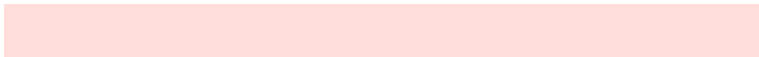
69.6405, 87.5542, 78.1950



69.8636, 87.5542, 116.5586



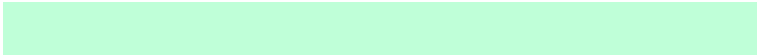
98.4538, 87.5542, 114.8051



98.1734, 87.5542, 76.8522

Sweetspot

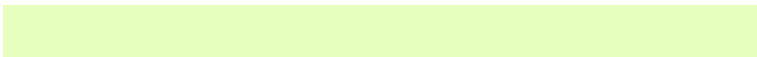
The Sweet Spot groups the original color and five complimentary colors.



69.6413, 87.5546, 78.1964



86.0017, 95.5592, 98.3652



77.9475, 92.1821, 62.9759



18.0653, 20.2857, 20.6471



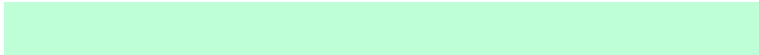
0.0000, 0.0000, 0.0000



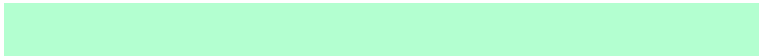
20.3446, 21.4041, 23.3091

Same Dimension

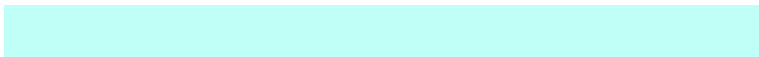
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.6413, 87.5546, 78.1964



65.6675, 85.6172, 72.9872



74.1173, 89.3450, 101.7669



18.0653, 20.2857, 20.6471



19.9455, 37.8748, 12.8640



1.9938, 3.7084, 1.5250

Inverse Universe

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



74.1541, 64.2355, 83.3531



70.8665, 58.7427, 78.9206



70.1184, 62.6213, 62.1012



18.4744, 18.1731, 21.1156



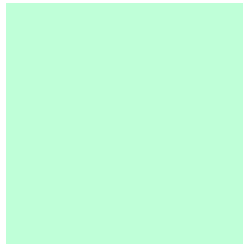
24.7327, 12.3824, 17.7746



2.4618, 1.2271, 2.0133

Previews

White Background



This preview shows how the XYZ color 69.6405, 87.5542, 78.1950 looks on a white background.

Color Contrast Check

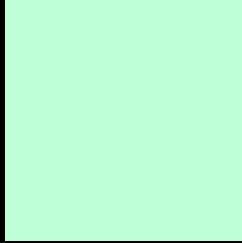
Large Text (above 18pt) WCAG AA × Fail

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 69.6405, 87.5542, 78.1950 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

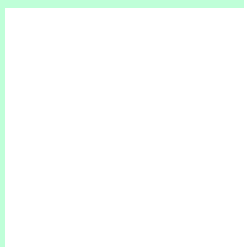
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.6405, 87.5542, 78.1950

Background



This preview shows how black text looks on a background with the XYZ color 69.6405, 87.5542, 78.1950.



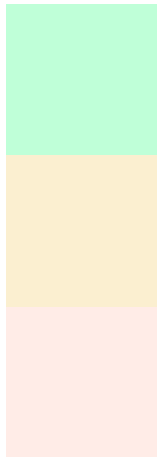
This preview shows how white text looks on a background with the XYZ color 69.6405, 87.5542,

78.1950.

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

69.6405, 87.5542, 78.1950

Protanopia

82.0353, 86.7963, 72.1041

Deuteranopia

85.6593, 87.0204, 87.8832



Tritanopia

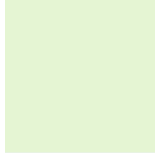
79.9159, 87.1370, 107.2148

Trichromacy



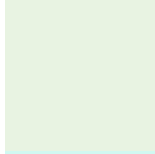
Original Color

69.6405, 87.5542, 78.1950



Protanomaly

76.7234, 86.6660, 74.3125



Deuteranomaly

79.0568, 86.7480, 84.5288



Tritanomaly

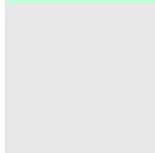
75.7391, 87.0410, 96.0278

Monochromacy



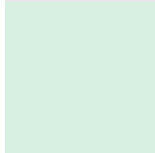
Original Color

69.6405, 87.5542, 78.1950



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.2065, 82.4101, 83.9999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.6405, 87.5542, 78.1950 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(191, 255, 216)` looks like.

```
.text, #text, p{  
    color:rgb(191, 255, 216)  
}
```

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(191, 255, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 255, 216) }
```

Border

The CSS property to change the border of an element to XYZ 69.6405, 87.5542, 78.1950 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(191, 255, 216) }
```


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

```
.border{ border-color:rgb(191, 255, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 255, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(191, 255,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 69.6405, 87.5542, 78.1950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 255, 216) }
```

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

```
.background{ background-color: rgb(191,  
255, 216) }
```

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