

Converting Colors

XYZ(57.5281, 81.5833, 65.2827)

Have a look what the booklet for
XYZ(57.5281, 81.5833, 65.2827)
contains.

XYZ(57.5151, 81.5710, 65.5367)	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(57.5151, 81.5710,
65.5367)**

Conversions

Conversions Part 1

Format	Color
Hex	91FFC5
RGB	145, 255, 197
RGB Percent	57%, 100%, 77%
CMY	0.4314, 0.0000, 0.2274
CMYK	0.43, 0.00, 0.23, 0.00
HSL	148°, 100%, 78%
HSV	148°, 43%, 100%
XYZ	57.5151, 81.5710, 65.5367
YIQ	215.4980, -46.9420, -41.3580

Conversions

Conversions Part 2

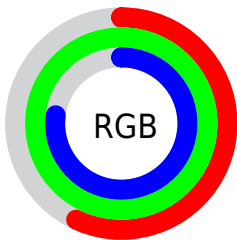
Format	Color
RYB	145, 220, 255
Decimal	9568197
CIELab	92.39, -44.26, 18.01
CIElCh	92, 47.787, 157.864
Yxy	81.5710, 0.2811, 0.3986
Android (android.graphics.Color)	4287758277 (0xFF91FFC5)
YUV	215.4980, -9.1195, -61.8267
Hunter-Lab	90.3167, -44.3825, 20.1989

Details

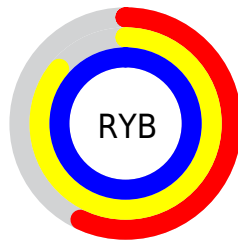
The XYZ color **57.5151, 81.5710, 65.5367** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **62.1453, 45.8233, 62.0694**, and the grayscale version is **65.0116, 68.3973, 74.4846**.

A 20% lighter version of the original color is **78.2780, 91.3723, 107.2769**, and **29.0825, 44.3976, 33.0234** is the 20% darker color. If you saturate the color by 10%, you get **52.0422, 78.9197, 57.5944**, and if you desaturate by 10%, it is **64.1351, 84.7976, 74.2527**.

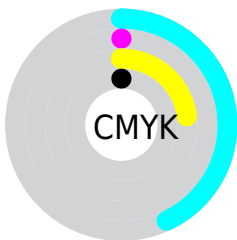
Distribution



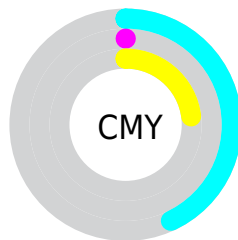
- Red (57%)
- Green (100%)
- Blue (77%)



- Red (57%)
- Yellow (86%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (43%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.5151, 81.5710, 65.5367 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 57.5151, 81.5710, 65.5367 by changing the saturation by 10% instead.


 57.5151, 81.5710,
65.5367


 57.5151, 81.5710,
65.5367


405.3597,
500.2116, 463.0770

 41.6607, 61.0120,
47.4423


 100.3434,
135.5722, 114.4418

 29.0256, 44.2348,
33.0286


 128.0481,
169.7832, 146.0895

 19.2446, 30.8552,
21.8771


160.4335,
209.3137, 183.0921

 11.9522, 20.4886,
13.5691

197.8650,
254.5480, 225.8681

 6.7831, 12.7507,
7.6863

240.7081,
305.8705, 274.8361

 3.3719, 7.2571,
3.8100


289.3279,


 1.3534, 3.6234,


363.6657, 330.4145


1.5217


344.0900,
428.3179, 393.0220


 0.2226, 1.4652,
0.2340


 0.0000, 0.2641,
0.0000

 57.5151, 81.5710,
65.5367


 57.5151, 81.5710,
65.5367


 52.0422, 78.9197,
57.5944


 64.1351, 84.7976,
74.2527


 47.6426, 76.8063,
50.3997

 71.9656, 88.6321,
83.7594

 44.2364, 75.1900,
43.9308

 81.0675, 93.1053,
94.0783

 41.7311, 74.0235,
38.1630

 91.4970, 98.2460,
105.2286

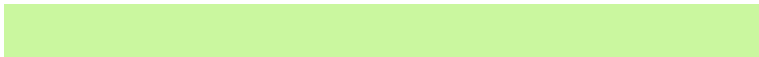
■ 40.0145, 73.2495, 95.0500, 100.0000,
33.0699 108.9000

■ 39.1835, 72.8894,
29.9479

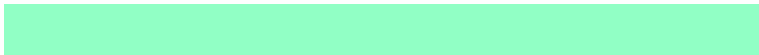
Harmonies

Analogous

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



63.8256, 81.5710, 45.1537



57.5151, 81.5710, 65.5367



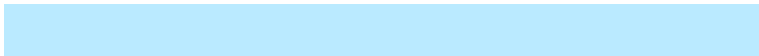
56.2704, 81.5710, 98.4692

Triad

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



57.5151, 81.5710, 65.5367



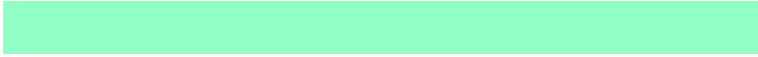
80.8316, 81.5710, 174.8547



97.8711, 81.5710, 53.2163

Complementary

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



57.5151, 81.5710, 65.5367



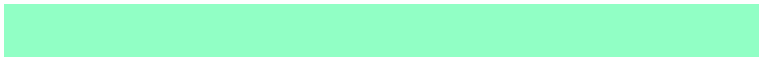
62.1453, 45.8233, 62.0694

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.



103.5672, 81.5710, 79.8170



57.5151, 81.5710, 65.5367



93.0696, 81.5710, 154.1999

Square

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



57.5151, 81.5710, 65.5367



68.9070, 81.5710, 168.0620



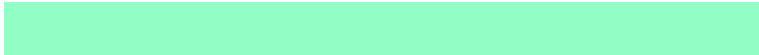
101.7226, 81.5710, 117.0452



86.8457, 81.5710, 39.4720

Rectangle

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



57.5151, 81.5710, 65.5367



58.3423, 81.5710, 124.6197



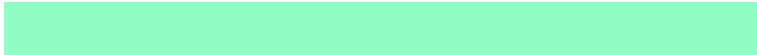
101.7226, 81.5710, 117.0452



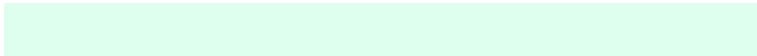
100.5232, 81.5710, 60.6262

Sweetspot

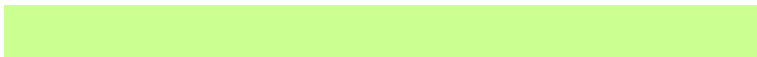
The Sweet Spot groups the original color and five complimentary colors.



57.5158, 81.5713, 65.5380



81.2006, 93.1709, 94.2246



65.6819, 86.3549, 39.9954



16.9254, 19.7186, 19.6648



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.



57.5158, 81.5713, 65.5380



52.6087, 79.1932, 58.4589



64.9027, 84.5260, 104.4370



18.1291, 20.3112, 20.9826



20.5484, 38.1159, 16.0389



2.0554, 3.7331, 1.8497

Inverse Universe

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



62.1453, 45.8233, 62.0694



57.7982, 39.0973, 54.5528



56.7642, 43.6709, 33.7329



18.4096, 18.1471, 20.7740



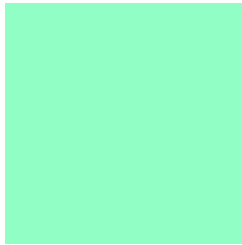
23.8899, 12.0452, 13.3365



2.3813, 1.1949, 1.5894

Previews

White Background



This preview shows how the XYZ color 57.5151, 81.5710, 65.5367 looks on a white background.

Color Contrast Check

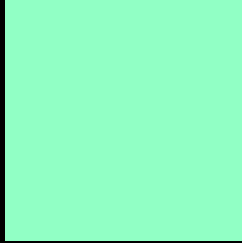
Large Text (above 18pt) WCAG AA × Fail

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 57.5151, 81.5710, 65.5367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

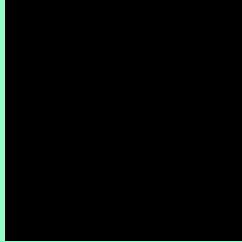
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 57.5151, 81.5710, 65.5367

Background



This preview shows how black text looks on a background with the XYZ color 57.5151, 81.5710, 65.5367.



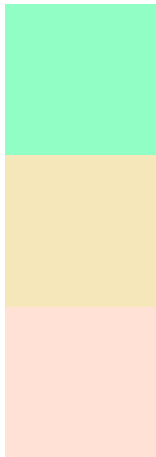
This preview shows how white text looks on a background with the XYZ color 57.5151, 81.5710,

65.5367.

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

57.5151, 81.5710, 65.5367

Protanopia

75.4449, 80.2898, 57.9755

Deuteranopia

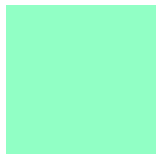
80.4466, 80.4568, 74.2405



Tritanopia

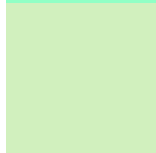
70.2443, 80.8220, 106.5057

Trichromacy



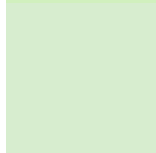
Original Color

57.5151, 81.5710, 65.5367



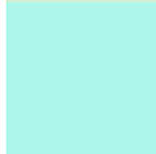
Protanomaly

66.7488, 79.5932, 60.5602



Deuteranomaly

69.5710, 79.5204, 70.7137



Tritanomaly

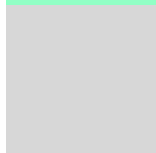
64.8203, 80.6227, 89.9872

Monochromacy



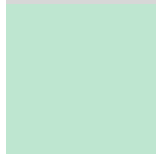
Original Color

57.5151, 81.5710, 65.5367



Achromatopsia

64.5905, 67.9542, 74.0022



Achromatomaly

60.9172, 72.0948, 70.3795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.5151, 81.5710, 65.5367 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(145, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(145, 255, 197)  
}
```

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(145, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 255, 197) }
```

Border

The CSS property to change the border of an element to XYZ 57.5151, 81.5710, 65.5367 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(145, 255, 197) }
```


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

```
.border{ border-color:rgb(145, 255, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 255, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(145, 255,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 57.5151, 81.5710, 65.5367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 255, 197) }
```

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

```
.background{ background-color: rgb(145,  
255, 197) }
```

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