

Converting Colors

XYZ(61.7678, 83.3857, 82.7978)

Have a look what the booklet for
XYZ(61.7678, 83.3857, 82.7978)
contains.

XYZ(61.6570, 83.3317, 82.6470)	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(61.6570, 83.3317,
82.6470)**

Conversions

Conversions Part 1

Format	Color
Hex	96FFDF
RGB	150, 255, 223
RGB Percent	59%, 100%, 87%
CMY	0.4118, 0.0000, 0.1255
CMYK	0.41, 0.00, 0.13, 0.00
HSL	162°, 100%, 79%
HSV	162°, 41%, 100%
XYZ	61.6570, 83.3317, 82.6470
YIQ	219.9570, -52.3080, -32.2120

Conversions

Conversions Part 2

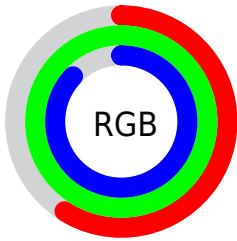
Format	Color
RYB	150, 212, 255
Decimal	9895903
CIELab	93.16, -37.68, 5.77
CIELCh	93, 38.123, 171.300
Yxy	83.3317, 0.2709, 0.3661
Android (android.graphics.Color)	4288085983 (0xFF96FFDF)
YUV	219.9570, 1.5002, -61.3523
Hunter-Lab	91.2862, -39.1874, 10.2215

Details

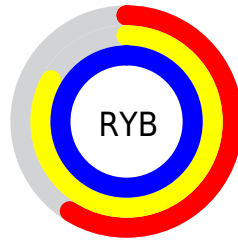
The XYZ color **61.6570, 83.3317, 82.6470** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **60.5906, 46.4514, 50.0295**, and the grayscale version is **68.0136, 71.5556, 77.9241**.

A 20% lighter version of the original color is **79.8224, 92.1499, 108.1874**, and **31.7762, 45.5425, 44.1616** is the 20% darker color. If you saturate the color by 10%, you get **56.4406, 80.7609, 77.0592**, and if you desaturate by 10%, it is **67.9443, 86.4491, 88.5388**.

Distribution



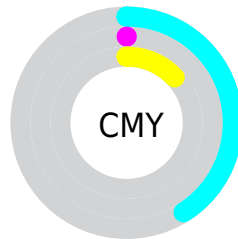
- Red (59%)
- Green (100%)
- Blue (87%)



- Red (59%)
- Yellow (83%)
- Blue (100%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)



- Cyan (41%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.6570, 83.3317, 82.6470 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 61.6570, 83.3317, 82.6470 by changing the saturation by 10% instead.


 61.6570, 83.3317,
82.6470


 61.6570, 83.3317,
82.6470


420.4164,
506.0913, 523.7495

 45.0102, 62.4638,
61.3601


 106.3224,
138.0399, 138.9258

 31.6667, 45.4076,
44.0834


 135.0716,
172.6491, 174.7547

 21.2614, 31.7786,
30.3984


168.5857,
212.6075, 216.2680

 13.4288, 21.1924,
19.8866

207.2300,
258.2994, 263.8842

 7.8035, 13.2647,
12.1293

251.3699,
310.1094, 318.0219

 4.0202, 7.6111,
6.7082

301.3707,

 1.7136, 3.8471,

368.4218, 379.0997

3.2046

357.5977,
433.6210, 447.5360

■ 0.4647, 1.5884,
1.2001

■ 0.0000, 0.3498,
0.0000

■ 61.6570, 83.3317,
82.6470

■ 61.6570, 83.3317,
82.6470

■ 56.4406, 80.7609,
77.0592

■ 67.9443, 86.4491,
88.5388

■ 52.2248, 78.7004,
71.7646

■ 75.3611, 90.1431,
94.7363

■ 48.9349, 77.1118,
66.7577

■ 83.9653, 94.4435,
101.2470

■ 46.4843, 75.9506,
62.0309

■ 93.8095, 99.3775,
108.0764

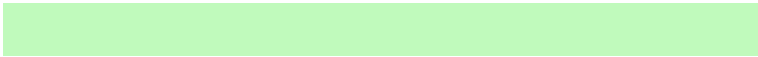
■ 44.7691, 75.1632, 95.0500, 100.0000,
57.5760 108.9000

■ 43.7245, 74.7058,
53.8606

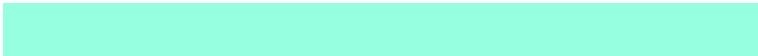
Harmonies

Analogous

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



65.1092, 83.3317, 60.4418



61.6570, 83.3317, 82.6470



62.5871, 83.3317, 112.2727

Triad

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



61.6570, 83.3317, 82.6470



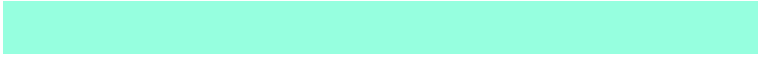
86.4056, 83.3317, 152.4096



91.8617, 83.3317, 54.1473

Complementary

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



61.6570, 83.3317, 82.6470



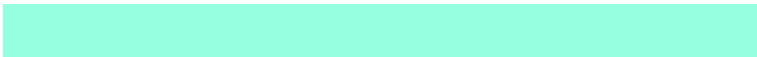
60.5906, 46.4514, 50.0295

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.



98.5296, 83.3317, 72.1429



61.6570, 83.3317, 82.6470



95.1995, 83.3317, 129.7585

Square

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



61.6570, 83.3317, 82.6470



76.3277, 83.3317, 156.8782



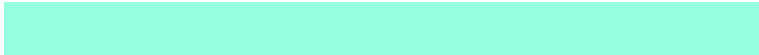
99.8000, 83.3317, 99.3322



82.1522, 83.3317, 46.4159

Rectangle

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



61.6570, 83.3317, 82.6470



65.6033, 83.3317, 132.2067



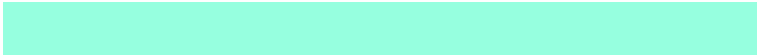
99.8000, 83.3317, 99.3322



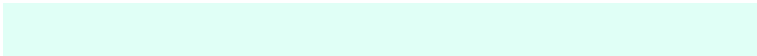
94.5661, 83.3317, 58.9916

Sweetspot

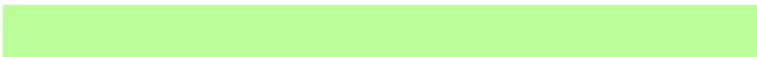
The Sweet Spot groups the original color and five complimentary colors.



61.6579, 83.3322, 82.6484



83.2092, 94.0651, 100.6979



60.8539, 83.8204, 41.8274



17.5576, 20.0074, 21.3683



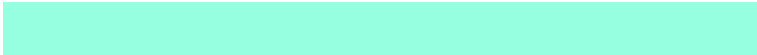
0.0000, 0.0000, 0.0000



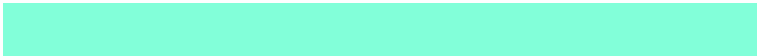
20.3446, 21.4041, 23.3091

Same Dimension

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



61.6579, 83.3322, 82.6484



57.4877, 81.2754, 78.2496



60.5521, 73.5518, 105.6132



18.3053, 20.3816, 21.9104



22.9166, 39.0633, 28.5100



2.2800, 3.8229, 3.0325

Inverse Universe

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



60.5906, 46.4514, 50.0295



56.3092, 40.0705, 41.8754



60.9804, 51.9323, 35.6657



18.2372, 18.0782, 19.8665



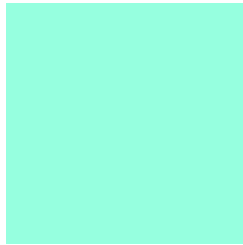
22.3198, 11.4172, 5.0684



2.2194, 1.1301, 0.7366

Previews

White Background



This preview shows how the XYZ color 61.6570, 83.3317, 82.6470 looks on a white background.

Color Contrast Check

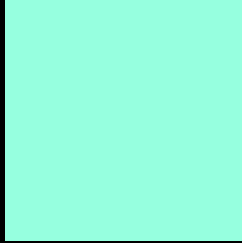
Large Text (above 18pt) WCAG AA × Fail

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 61.6570, 83.3317, 82.6470 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 61.6570, 83.3317, 82.6470

Background



This preview shows how black text looks on a background with the XYZ color 61.6570, 83.3317, 82.6470.



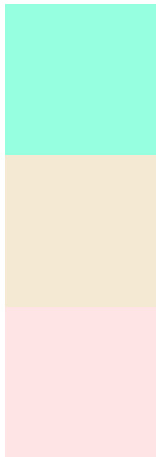
This preview shows how white text looks on a background with the XYZ color 61.6570, 83.3317,

82.6470.

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

61.6570, 83.3317, 82.6470

Protanopia

78.2050, 82.2141, 73.3751

Deuteranopia

83.2663, 82.4600, 86.3907



Tritanopia

72.6063, 82.9233, 106.7868

Trichromacy



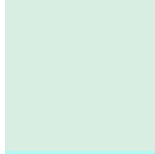
Original Color

61.6570, 83.3317, 82.6470



Protanomaly

70.2994, 81.5185, 76.3195



Deuteranomaly

73.0549, 81.4468, 84.5435



Tritanomaly

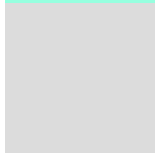
68.0288, 82.5763, 97.1473

Monochromacy



Original Color

61.6570, 83.3317, 82.6470



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.6957, 75.1004, 79.4926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.6570, 83.3317, 82.6470 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(150, 255, 223)` looks like.

```
.text, #text, p{  
    color:rgb(150, 255, 223)  
}
```

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(150, 255, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 255, 223) }
```

Border

The CSS property to change the border of an element to XYZ 61.6570, 83.3317, 82.6470 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(150, 255, 223) }
```


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

```
.border{ border-color:rgb(150, 255, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 255, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(150, 255,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 61.6570, 83.3317, 82.6470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 255, 223) }
```

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

```
.background{ background-color: rgb(150,  
255, 223) }
```

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](#).

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