

Converting Colors

XYZ(69.8881, 100.0000,
90.7313)

Have a look what the booklet for
XYZ(69.8881, 100.0000, 90.7313)
contains.

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Color

**XYZ(61.3706, 83.0728,
87.6630)**

Conversions

Conversions Part 1

Format	Color
Hex	8FFFE6
RGB	143, 255, 230
RGB Percent	56%, 100%, 90%
CMY	0.4392, 0.0000, 0.0980
CMYK	0.44, 0.00, 0.10, 0.00
HSL	167°, 100%, 78%
HSV	167°, 44%, 100%
XYZ	61.3706, 83.0728, 87.6630
YIQ	218.6620, -58.7270, -31.5190

Conversions

Conversions Part 2

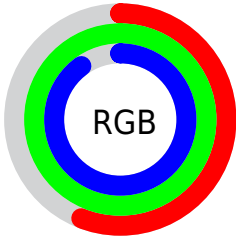
Format	Color
RYB	143, 206, 255
Decimal	9437158
CIELab	93.05, -37.87, 1.95
CIELCh	93, 37.918, 177.048
Yxy	83.0728, 0.2644, 0.3579
Android (android.graphics.Color)	4287627238 (0xFF8FFFE6)
YUV	218.6620, 5.5896, -66.3556
Hunter-Lab	91.1443, -39.3123, 6.7756

Details

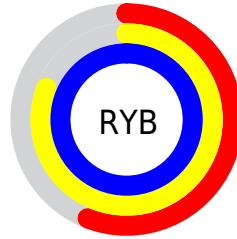
The XYZ color **61.3706, 83.0728, 87.6630** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.1311, 43.7333, 42.4242**, and the grayscale version is **67.0896, 70.5835, 76.8654**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **31.5881, 45.3681, 47.6495** is the 20% darker color. If you saturate the color by 10%, you get **56.6607, 80.7356, 83.3390**, and if you desaturate by 10%, it is **67.1117, 85.9386, 92.1743**.

Distribution



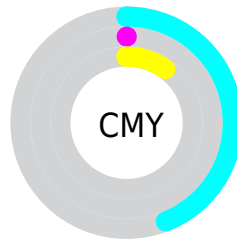
- Red (56%)
- Green (100%)
- Blue (90%)



- Red (56%)
- Yellow (81%)
- Blue (100%)



- Cyan (44%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (44%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.3706, 83.0728, 87.6630 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 61.3706, 83.0728, 87.6630 by changing the saturation by 10% instead.

 61.3706, 83.0728,
87.6630


 61.3706, 83.0728,
87.6630


419.3858,
505.2291, 540.7717

 44.7780, 62.2502,
65.4813


 105.9104,
137.6774, 145.9949

 31.4831, 45.2349,
47.3976


 134.5884,
172.2282, 182.9821

 21.1206, 31.6425,
32.9935


168.0255,
212.1239, 225.7416

 13.3252, 21.0886,
21.8504

206.5871,
257.7489, 274.6919

 7.7314, 13.1888,
13.5497

250.6386,
309.4875, 330.2515

 3.9739, 7.5587,
7.6730

300.5453,

 1.6874, 3.8139,

367.7241, 392.8390

3.8017

356.6725,
432.8432, 462.8729

■ 0.4484, 1.5700,
1.5172

■ 0.0000, 0.3372,
0.2307

■ 61.3706, 83.0728,
87.6630

■ 61.3706, 83.0728,
87.6630

■ 56.6607, 80.7356,
83.3390

■ 67.1117, 85.9386,
92.1743

■ 52.9100, 78.8899,
79.1934

■ 73.9439, 89.3638,
96.8729

■ 50.0418, 77.4962,
75.2228

■ 81.9256, 93.3785,
101.7640

■ 47.9658, 76.5080,
71.4217

■ 91.1103, 98.0103,
106.8513

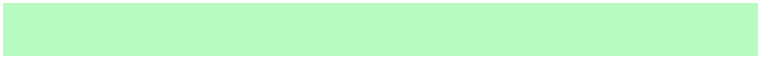
■ 46.5720, 75.8685, 95.0500, 100.0000,
67.7835 108.9000

■ 45.9626, 75.6010,
65.6462

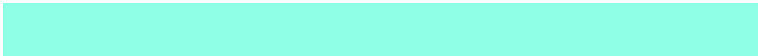
Harmonies

Analogous

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



63.9842, 83.0728, 63.8303



61.3706, 83.0728, 87.6630



63.1326, 83.0728, 117.6909

Triad

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



61.3706, 83.0728, 87.6630



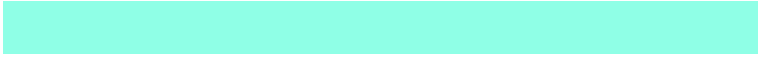
87.9705, 83.0728, 148.4728



89.8151, 83.0728, 51.8625

Complementary

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



61.3706, 83.0728, 87.6630



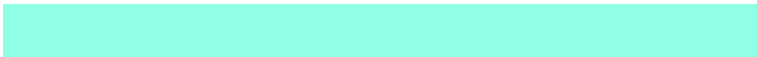
58.1311, 43.7333, 42.4242

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.



97.2294, 83.0728, 67.7782



61.3706, 83.0728, 87.6630



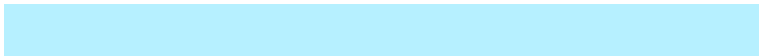
96.1032, 83.0728, 123.6052

Square

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



61.3706, 83.0728, 87.6630



77.9782, 83.0728, 156.8539



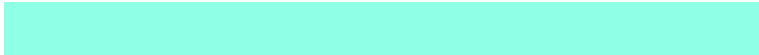
99.6208, 83.0728, 93.2999



79.9464, 83.0728, 46.0666

Rectangle

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



61.3706, 83.0728, 87.6630



66.6401, 83.0728, 136.7123



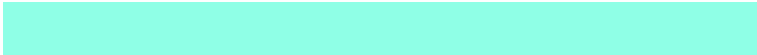
99.6208, 83.0728, 93.2999



92.7077, 83.0728, 56.0179

Sweetspot

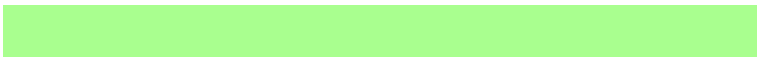
The Sweet Spot groups the original color and five complimentary colors.



61.3715, 83.0732, 87.6644



82.7197, 93.7785, 102.2238



57.1096, 81.9534, 38.7967



17.3014, 19.8689, 21.6446



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

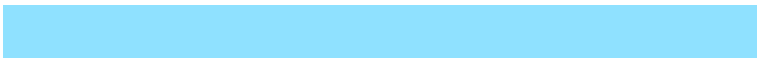
The Same Dimension uses a secret algorithm to generate beautiful new colors.



61.3715, 83.0732, 87.6644



57.0529, 80.9295, 83.7294



56.3399, 66.9831, 104.5673



18.3711, 20.4080, 22.2573



24.0753, 39.5267, 34.6113



2.3848, 3.8648, 3.5840

Inverse Universe

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



58.1311, 43.7333, 42.4242



53.4448, 36.8594, 33.1587



61.1167, 53.0804, 33.0124



18.1754, 18.0535, 19.5406



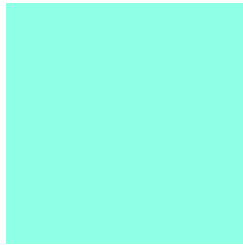
21.9791, 11.2809, 3.2746



2.1790, 1.1140, 0.5238

Previews

White Background



This preview shows how the XYZ color 61.3706, 83.0728, 87.6630 looks on a white background.

Color Contrast Check

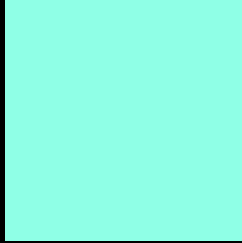
Large Text (above 18pt) WCAG AA × Fail

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 61.3706, 83.0728, 87.6630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

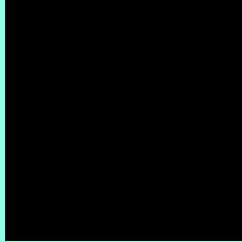
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 61.3706, 83.0728, 87.6630

Background



This preview shows how black text looks on a background with the XYZ color 61.3706, 83.0728, 87.6630.



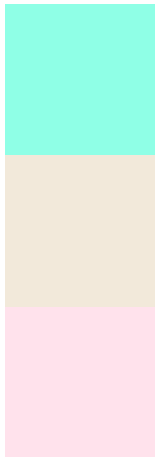
This preview shows how white text looks on a background with the XYZ color 61.3706, 83.0728,

87.6630.

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

61.3706, 83.0728, 87.6630

Protanopia

78.4118, 82.2170, 78.0664

Deuteranopia

83.5767, 81.7088, 90.7233



Tritanopia

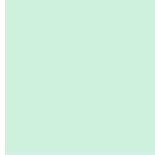
72.0929, 82.6586, 106.7628

Trichromacy



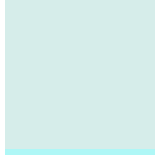
Original Color

61.3706, 83.0728, 87.6630



Protanomaly

70.0937, 81.3063, 81.1066



Deuteranomaly

72.8670, 80.8050, 89.5983



Tritanomaly

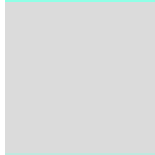
67.5745, 82.2893, 99.5106

Monochromacy



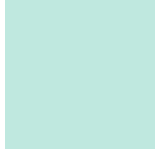
Original Color

61.3706, 83.0728, 87.6630



Achromatopsia

67.3311, 70.8376, 77.1421



Achromatomaly

63.6618, 74.1173, 80.7628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.3706, 83.0728, 87.6630 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(143, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(143, 255, 230)  
}
```

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(143, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 61.3706, 83.0728, 87.6630 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(143, 255, 230) }
```


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

```
.border{ border-color:rgb(143, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(143, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 61.3706, 83.0728, 87.6630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 255, 230) }
```

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

```
.background{ background-color: rgb(143,  
255, 230) }
```

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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