

Converting Colors

XYZ(61.8028, 83.2977, 87.5898)

Have a look what the booklet for
XYZ(61.8028, 83.2977, 87.5898)
contains.

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Color

**XYZ(61.8970, 83.3442,
87.6876)**

Conversions

Conversions Part 1

Format	Color
Hex	92FFE6
RGB	146, 255, 230
RGB Percent	57%, 100%, 90%
CMY	0.4274, 0.0000, 0.0980
CMYK	0.43, 0.00, 0.10, 0.00
HSL	166°, 100%, 79%
HSV	166°, 43%, 100%
XYZ	61.8970, 83.3442, 87.6876
YIQ	219.5590, -56.9390, -30.8830

Conversions

Conversions Part 2

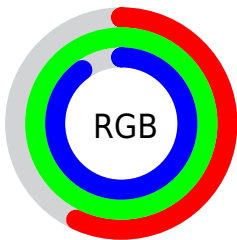
Format	Color
R_{YB}	146, 208, 255
Decimal	9633766
CIE _{Lab}	93.16, -37.15, 2.14
CIE _{LCh}	93, 37.209, 176.703
Yxy	83.3442, 0.2657, 0.3578
Android (android.graphics.Color)	4287823846 (0xFF92FFE6)
YUV	219.5590, 5.1474, -64.5112
Hunter-Lab	91.2930, -38.7392, 6.9567

Details

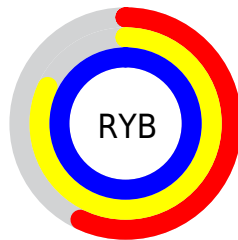
The XYZ color **61.8970, 83.3442, 87.6876** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **58.8703, 44.7593, 44.0656**, and the grayscale version is **67.7141, 71.2405, 77.5809**.

A 20% lighter version of the original color is **78.7118, 91.5774, 108.1354**, and **31.9564, 45.5580, 47.6667** is the 20% darker color. If you saturate the color by 10%, you get **57.0512, 80.9393, 83.2461**, and if you desaturate by 10%, it is **67.7831, 86.2820, 92.3244**.

Distribution



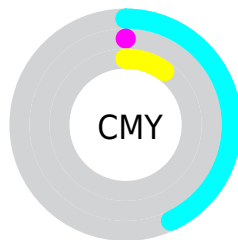
- Red (57%)
- Green (100%)
- Blue (90%)



- Red (57%)
- Yellow (82%)
- Blue (100%)



- Cyan (43%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (43%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 61.8970, 83.3442, 87.6876 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 61.8970, 83.3442, 87.6876 by changing the saturation by 10% instead.


 61.8970, 83.3442,
87.6876


 61.8970, 83.3442,
87.6876

421.2788,
506.1329, 540.8544

 45.2048, 62.4741,
65.5015


 106.6674,
138.0574, 146.0295

 31.8207, 45.4159,
47.4139


 135.4763,
172.6694, 183.0223

 21.3795, 31.7852,
33.0063


169.0548,
212.6308, 225.7878

 13.5157, 21.1975,
21.8601

207.7683,
258.3260, 274.7446

 7.8640, 13.2684,
13.5568

251.9821,
310.1394, 330.3111

 4.0592, 7.6136,
7.6779

302.0615,

 1.7357, 3.8487,

368.4555, 392.9058

3.8047

358.3720,
433.6585, 462.9474

■ 0.4784, 1.5893,
1.5188

■ 0.0000, 0.3504,
0.2319

■ 61.8970, 83.3442,
87.6876

■ 61.8970, 83.3442,
87.6876

■ 57.0512, 80.9393,
83.2461

■ 67.7831, 86.2820,
92.3244

■ 53.1746, 79.0310,
78.9911

■ 74.7687, 89.7835,
97.1565

■ 50.1915, 77.5803,
74.9190

■ 82.9118, 93.8785,
102.1894

■ 48.0135, 76.5414,
71.0241

■ 92.2654, 98.5942,
107.4268

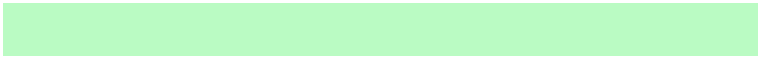
■ 46.5334, 75.8593, 95.0500, 100.0000,
67.3001 108.9000

■ 45.7827, 75.5291,
64.6987

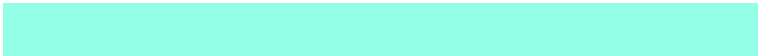
Harmonies

Analogous

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



64.5241, 83.3442, 64.2923



61.8970, 83.3442, 87.6876



63.5861, 83.3442, 117.1448

Triad

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



61.8970, 83.3442, 87.6876



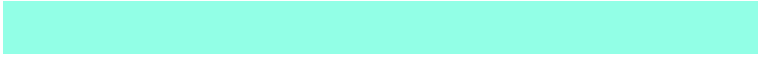
87.9645, 83.3442, 147.8187



89.9871, 83.3442, 52.7866

Complementary

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



61.8970, 83.3442, 87.6876



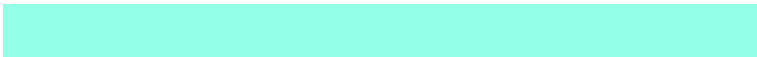
58.8703, 44.7593, 44.0656

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.



97.2182, 83.3442, 68.6475



61.8970, 83.3442, 87.6876



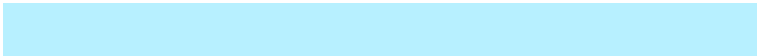
95.9846, 83.3442, 123.6162

Square

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



61.8970, 83.3442, 87.6876



78.1403, 83.3442, 155.7809



99.4976, 83.3442, 93.8781



80.3018, 83.3442, 46.9236

Rectangle

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



61.8970, 83.3442, 87.6876



67.0150, 83.3442, 135.8248



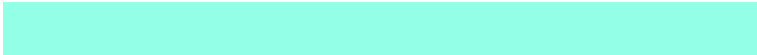
99.4976, 83.3442, 93.8781



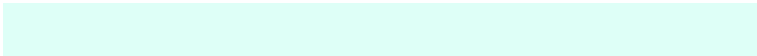
92.8151, 83.3442, 56.9425

Sweetspot

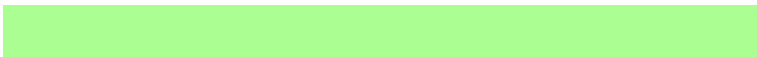
The Sweet Spot groups the original color and five complimentary colors.



61.8979, 83.3446, 87.6890



82.6881, 93.7659, 102.0578



57.8384, 82.3024, 40.0332



17.2935, 19.8658, 21.6033



0.0000, 0.0000, 0.0000



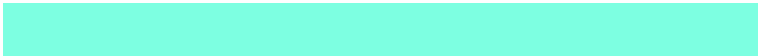
20.3446, 21.4041, 23.3091

Same Dimension

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



61.8979, 83.3446, 87.6890



57.8244, 81.3219, 84.0072



57.0832, 67.6883, 104.6643



18.3661, 20.4060, 22.2310



23.9823, 39.4895, 34.1215



2.3764, 3.8615, 3.5401

Inverse Universe

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



58.8703, 44.7593, 44.0656



54.4649, 38.2736, 35.4291



61.7721, 54.0224, 34.3673



18.1800, 18.0553, 19.5650



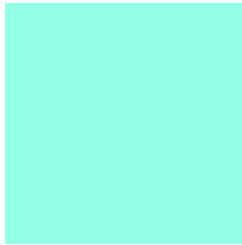
22.0008, 11.2896, 3.3889



2.1817, 1.1150, 0.5381

Previews

White Background



This preview shows how the XYZ color 61.8970, 83.3442, 87.6876 looks on a white background.

Color Contrast Check

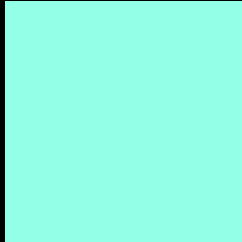
Large Text (above 18pt) WCAG AA × Fail

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 61.8970, 83.3442, 87.6876 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 61.8970, 83.3442, 87.6876

Background



This preview shows how black text looks on a background with the XYZ color 61.8970, 83.3442, 87.6876.

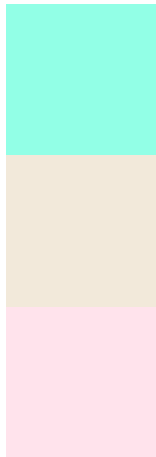


This preview shows how white text looks on a background with the XYZ color 61.8970, 83.3442,

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

61.8970, 83.3442, 87.6876

Protanopia

78.4118, 82.2170, 78.0664

Deuteranopia

83.8494, 82.2543, 90.8142



Tritanopia

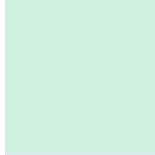
72.3487, 82.7905, 106.7747

Trichromacy



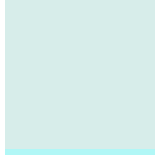
Original Color

61.8970, 83.3442, 87.6876



Protanomaly

70.3722, 81.4499, 81.1196



Deuteranomaly

73.1598, 80.9560, 89.6120



Tritanomaly

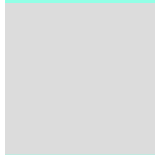
68.0268, 82.5225, 99.5318

Monochromacy



Original Color

61.8970, 83.3442, 87.6876



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.5858, 74.9971, 81.5929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 61.8970, 83.3442, 87.6876 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(146, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 255, 230) }
```

Border

The CSS property to change the border of an element to XYZ 61.8970, 83.3442, 87.6876 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(146, 255, 230) }
```


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

```
.border{ border-color:rgb(146, 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(146, 255, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(146, 255,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 61.8970, 83.3442, 87.6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 255, 230) }
```

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

```
.background{ background-color: rgb(146,  
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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