

Converting Colors

XYZ(70.6422, 87.5683,
100.9335)

Have a look what the booklet for
XYZ(70.6422, 87.5683, 100.9335)
contains.

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Color

**XYZ(70.6800, 87.5825,
101.1756)**

Conversions

Conversions Part 1

Format	Color
Hex	B1FFF7
RGB	177, 255, 247
RGB Percent	69%, 100%, 97%
CMY	0.3059, 0.0000, 0.0314
CMYK	0.31, 0.00, 0.03, 0.00
HSL	174°, 100%, 85%
HSV	174°, 31%, 100%
XYZ	70.6800, 87.5825, 101.1756
YIQ	230.7660, -43.9200, -19.0240

Conversions

Conversions Part 2

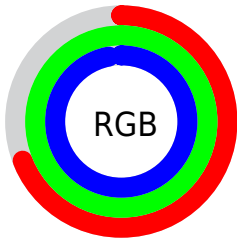
Format	Color
RYB	177, 218, 255
Decimal	11665399
CIELab	94.98, -25.39, -3.81
CIELCh	95, 25.677, 188.537
Yxy	87.5825, 0.2724, 0.3376
Android (android.graphics.Color)	4289855479 (0xFFB1FFF7)
YUV	230.7660, 8.0034, -47.1528
Hunter-Lab	93.5855, -28.9634, 1.4113

Details

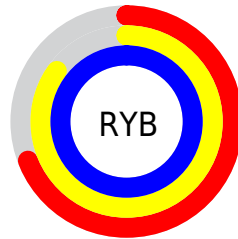
The XYZ color **70.6800, 87.5825, 101.1756** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **65.7200, 56.2085, 53.2854**, and the grayscale version is **75.7475, 79.6923, 86.7849**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **37.4832, 48.2147, 56.6210** is the 20% darker color. If you saturate the color by 10%, you get **65.0041, 84.7028, 98.8195**, and if you desaturate by 10%, it is **77.4488, 91.0250, 103.6153**.

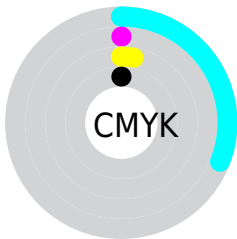
Distribution



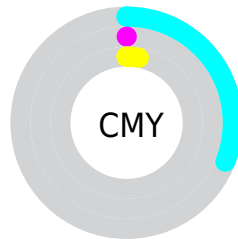
- Red (69%)
- Green (100%)
- Blue (97%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6800, 87.5825, 101.1756 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 70.6800, 87.5825, 101.1756 by changing the saturation by 10% instead.

70.6800, 87.5825,
101.1756

70.6800, 87.5825,
101.1756

452.1633,
520.1350, 585.2341

52.3627, 65.9774,
76.6603

119.1990,
143.9758, 164.8377

37.5197, 48.2540,
56.4643

150.1313,
179.5327, 204.8217

25.7856, 34.0281,
40.1688

185.9994,
220.5090, 250.7990

16.7952, 22.9152,
27.3554

227.1686,
267.2891, 303.1881

10.1830, 14.5309,
17.6055

274.0042,
320.2573, 362.4076

5.5836, 8.4908,
10.5006

326.8716,

2.6318, 4.4106,

379.7981, 428.8761

5.6222

386.1362,
446.2959, 503.0121

0.9622, 1.9058,
2.5517

0.0000, 0.5519,
0.8674

70.6800, 87.5825,
101.1756

70.6800, 87.5825,
101.1756

65.0041, 84.7028,
98.8195

77.4488, 91.0250,
103.6153

60.3575, 82.3530,
96.5395

85.3634, 95.0575,
106.1368

56.6746, 80.4994,
94.3340

94.4769, 99.7074,
108.7443

53.8812, 79.1037,
92.1993

95.0500, 100.0000,
108.9000

■ 51.8919, 78.1219,
90.1312

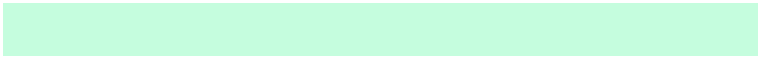
■ 50.6048, 77.5014,
88.1250

■ 49.8821, 77.1688,
86.2857

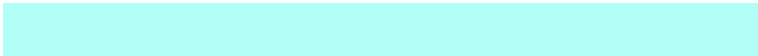
Harmonies

Analogous

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



71.3826, 87.5825, 81.9945



70.6800, 87.5825, 101.1756



73.1937, 87.5825, 121.3347

Triad

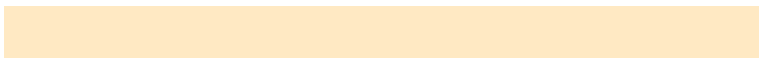
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.6800, 87.5825, 101.1756



91.8780, 87.5825, 128.6522



88.2460, 87.5825, 63.9117

Complementary

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



70.6800, 87.5825, 101.1756



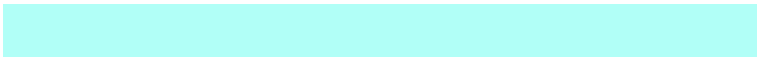
65.7200, 56.2085, 53.2854

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.



94.1757, 87.5825, 73.3892



70.6800, 87.5825, 101.1756



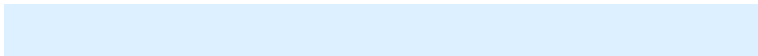
96.3528, 87.5825, 110.1097

Square

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



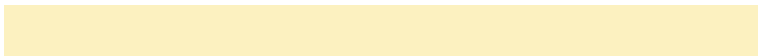
70.6800, 87.5825, 101.1756



85.2503, 87.5825, 138.5863



97.2163, 87.5825, 89.7764



81.2705, 87.5825, 62.2140

Rectangle

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



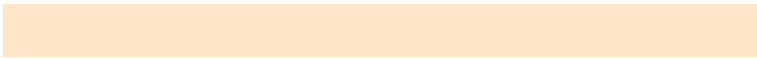
70.6800, 87.5825, 101.1756



76.4424, 87.5825, 131.9981



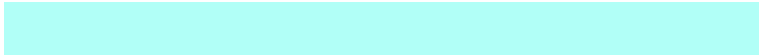
97.2163, 87.5825, 89.7764



90.4386, 87.5825, 66.2226

Sweetspot

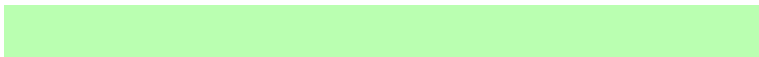
The Sweet Spot groups the original color and five complimentary colors.



70.6810, 87.5830, 101.1771



86.7283, 95.7535, 106.5448



63.9709, 85.1465, 54.6601



18.2953, 20.3585, 22.7249



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

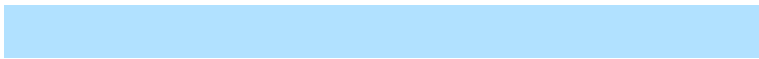
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.6810, 87.5830, 101.1771



66.9186, 85.6732, 99.6561



63.1349, 70.4728, 104.8828



18.4698, 20.4475, 22.7772



26.0971, 40.3354, 45.2579



2.5632, 3.9362, 4.5234

Inverse Universe

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



65.7200, 56.2085, 53.2854



61.2103, 49.5422, 44.5281



71.4653, 69.0127, 51.1509



18.0850, 18.0173, 19.0650



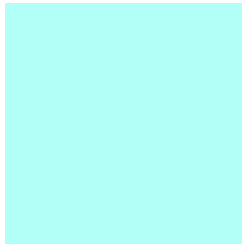
21.6716, 11.1579, 1.6553



2.1339, 1.0960, 0.2868

Previews

White Background



This preview shows how the XYZ color 70.6800, 87.5825, 101.1756 looks on a white background.

Color Contrast Check

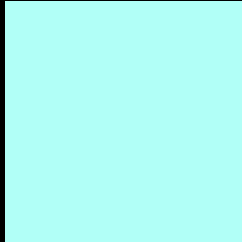
Large Text (above 18pt) WCAG AA × Fail

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 70.6800, 87.5825, 101.1756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

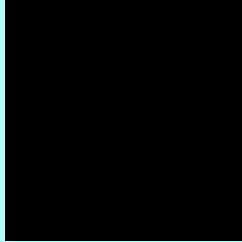
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

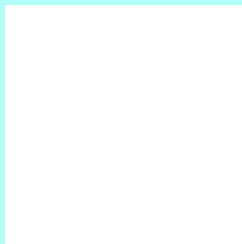
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.6800, 87.5825, 101.1756

Background



This preview shows how black text looks on a background with the XYZ color 70.6800, 87.5825, 101.1756.

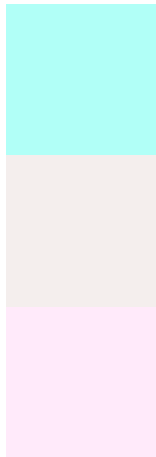


This preview shows how white text looks on a background with the XYZ color 70.6800, 87.5825,

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

70.6800, 87.5825, 101.1756

Protanopia

83.1688, 86.4966, 92.4328

Deuteranopia

87.9181, 87.0078, 102.6029



Tritanopia

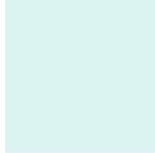
78.7267, 86.9719, 107.2457

Trichromacy



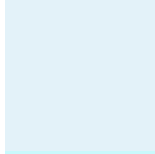
Original Color

70.6800, 87.5825, 101.1756



Protanomaly

77.7431, 86.2679, 95.7730



Deuteranomaly

80.5296, 86.6747, 102.1081



Tritanomaly

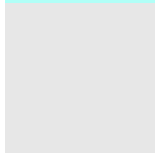
75.5338, 87.1971, 104.9451

Monochromacy



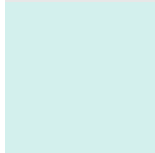
Original Color

70.6800, 87.5825, 101.1756



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3101, 82.2835, 92.1392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6800, 87.5825, 101.1756 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(177, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 247)  
}
```

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(177, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 247) }
```

Border

The CSS property to change the border of an element to XYZ 70.6800, 87.5825, 101.1756 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(177, 255, 247) }
```


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

```
.border{ border-color:rgb(177, 255, 247) }
```

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

Here you see how a box with a 4 pixel rgb(177, 255, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6800, 87.5825, 101.1756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 247) }
```

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

```
.background{ background-color: rgb(177,  
255, 247) }
```

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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