

Converting Colors

XYZ(70.0458, 87.3685, 96.0428)

Have a look what the booklet for
XYZ(70.0458, 87.3685, 96.0428)
contains.

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Color

**XYZ(70.2276, 87.4546,
96.3981)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FFF1
RGB	179, 255, 241
RGB Percent	70%, 100%, 95%
CMY	0.2980, 0.0000, 0.0549
CMYK	0.30, 0.00, 0.05, 0.00
HSL	169°, 100%, 85%
HSV	169°, 30%, 100%
XYZ	70.2276, 87.4546, 96.3981
YIQ	230.6800, -40.8020, -20.4660

Conversions

Conversions Part 2

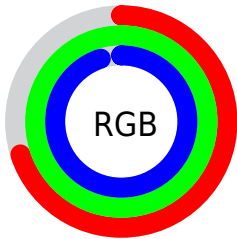
Format	Color
RYB	179, 221, 255
Decimal	11796465
CIELab	94.93, -26.13, -0.78
CIElCh	95, 26.140, 181.717
Yxy	87.4546, 0.2764, 0.3442
Android (android.graphics.Color)	4289986545 (0xFFB3FFF1)
YUV	230.6800, 5.0878, -45.3234
Hunter-Lab	93.5172, -29.6088, 4.3455

Details

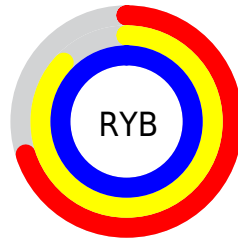
The XYZ color **70.2276, 87.4546, 96.3981** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **66.9865, 57.3517, 57.9922**, and the grayscale version is **75.7028, 79.6453, 86.7337**.

A 20% lighter version of the original color is **88.4021, 96.5729, 108.5889**, and **37.2632, 48.1760, 53.2339** is the 20% darker color. If you saturate the color by 10%, you get **64.1767, 84.4152, 92.5006**, and if you desaturate by 10%, it is **77.3883, 91.0639, 100.4448**.

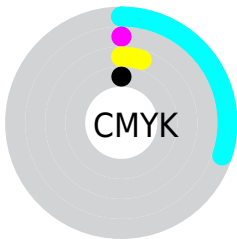
Distribution



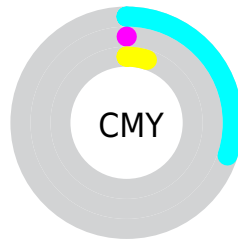
- Red (70%)
- Green (100%)
- Blue (95%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.2276, 87.4546, 96.3981 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 70.2276, 87.4546, 96.3981 by changing the saturation by 10% instead.

70.2276, 87.4546,
96.3981

70.2276, 87.4546,
96.3981

450.6027,
519.7155, 569.7295

51.9924, 65.8715,
72.6959

118.5578,
143.7976, 158.2069

37.2232, 48.1681,
53.2370

149.3834,
179.3263, 197.1505

25.5549, 33.9600,
37.6030

185.1366,
220.2723, 242.0117

16.6218, 22.8629,
25.3753

226.1826,
267.0199, 293.2089

10.0589, 14.4923,
16.1353

272.8869,
319.9537, 351.1608

5.5006, 8.4638,
9.4646

325.6148,

2.5816, 4.3932,

379.4580, 416.2858

4.9445

384.7316,
445.9171, 489.0025

■ 0.9366, 1.8958,
2.1566

■ 0.0000, 0.5459,
0.6491

■ 70.2276, 87.4546,
96.3981

■ 70.2276, 87.4546,
96.3981

■ 64.1767, 84.4152,
92.5006

■ 77.3883, 91.0639,
100.4448

■ 59.1724, 81.9134,
88.7444

■ 85.7115, 95.2705,
104.6397

■ 55.1495, 79.9154,
85.1272

95.0500, 100.0000,
108.9000

■ 52.0343, 78.3833,
81.6447

■ 49.7425, 77.2737,
78.2924

■ 48.1735, 76.5346,
75.0648

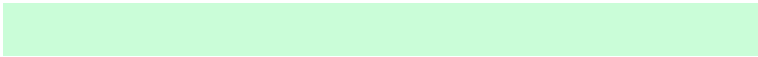
■ 47.1666, 76.0834,
71.9536

■ 47.1489, 76.0756,
71.8932

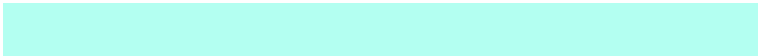
Harmonies

Analogous

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



71.6865, 87.4546, 77.8961



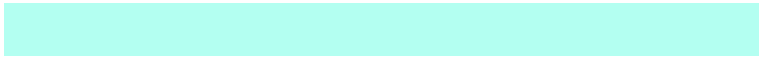
70.2276, 87.4546, 96.3981



72.0574, 87.4546, 117.2592

Triad

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



70.2276, 87.4546, 96.3981



90.4980, 87.4546, 132.4456



89.7511, 87.4546, 64.8135

Complementary

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



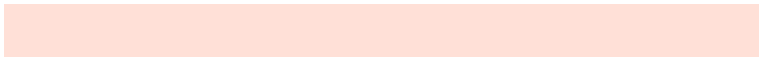
70.2276, 87.4546, 96.3981



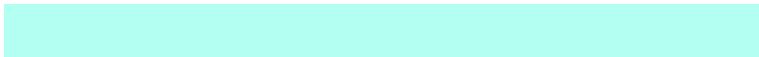
66.9865, 57.3517, 57.9922

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.



95.2671, 87.4546, 76.1368



70.2276, 87.4546, 96.3981



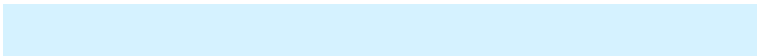
95.7153, 87.4546, 114.9462

Square

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



70.2276, 87.4546, 96.3981



83.5322, 87.4546, 139.8221



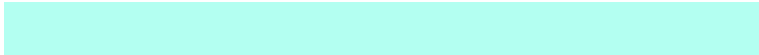
97.5075, 87.4546, 94.0579



82.7151, 87.4546, 61.2866

Rectangle

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



70.2276, 87.4546, 96.3981



74.9599, 87.4546, 129.2756



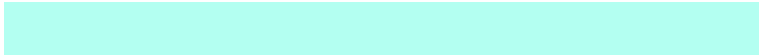
97.5075, 87.4546, 94.0579



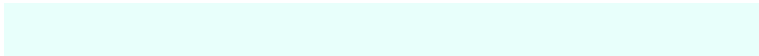
91.8582, 87.4546, 67.7464

Sweetspot

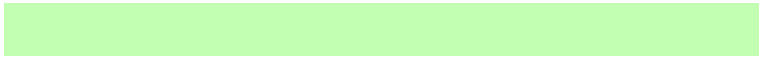
The Sweet Spot groups the original color and five complimentary colors.



70.2286, 87.4550, 96.3996



86.4317, 95.6349, 104.9830



66.1971, 86.2709, 55.8124



18.2218, 20.3291, 22.3377



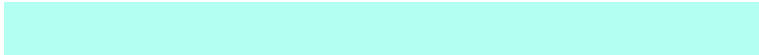
0.0000, 0.0000, 0.0000



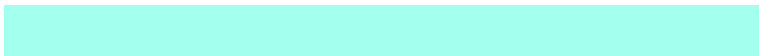
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2286, 87.4550, 96.3996



66.3512, 85.5061, 93.9663



65.5543, 74.6305, 105.5578



18.4029, 20.4207, 22.4245



24.6881, 39.7718, 37.8382



2.4393, 3.8867, 3.8713

Inverse Universe

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



66.9865, 57.3517, 57.9922



62.6221, 50.8252, 49.7480



70.4511, 66.6630, 51.8035



18.1460, 18.0417, 19.3860



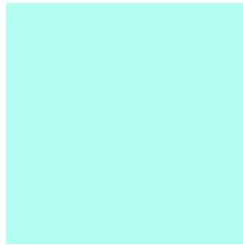
21.8555, 11.2315, 2.6238



2.1629, 1.1075, 0.4394

Previews

White Background



This preview shows how the XYZ color 70.2276, 87.4546, 96.3981 looks on a white background.

Color Contrast Check

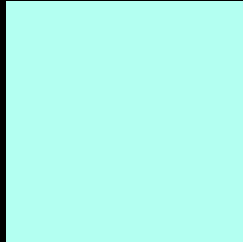
Large Text (above 18pt) WCAG AA × Fail

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 70.2276, 87.4546, 96.3981 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 70.2276, 87.4546, 96.3981

Background



This preview shows how black text looks on a background with the XYZ color 70.2276, 87.4546, 96.3981.

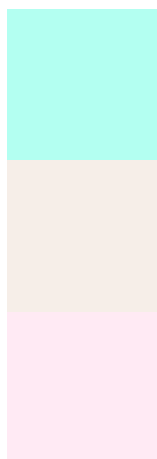


This preview shows how white text looks on a background with the XYZ color 70.2276, 87.4546,

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

70.2276, 87.4546, 96.3981

Protanopia

83.1461, 86.5681, 88.6710

Deuteranopia

86.9920, 86.6373, 97.7257



Tritanopia

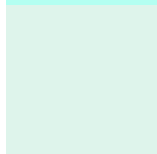
79.0213, 87.1237, 107.2594

Trichromacy



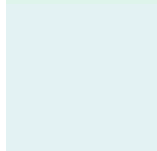
Original Color

70.2276, 87.4546, 96.3981



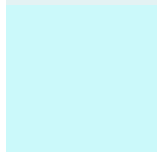
Protanomaly

77.4703, 86.2291, 91.1580



Deuteranomaly

79.6083, 86.3062, 97.2570



Tritanomaly

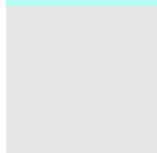
75.7596, 87.3500, 103.3098

Monochromacy



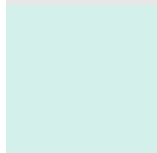
Original Color

70.2276, 87.4546, 96.3981



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.3069, 82.3154, 90.6220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2276, 87.4546, 96.3981 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(179, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(179, 255, 241)  
}
```

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(179, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 255, 241) }
```

Border

The CSS property to change the border of an element to XYZ 70.2276, 87.4546, 96.3981 is called "border". The border property can be set on classes, ids or directly on the HTML element.

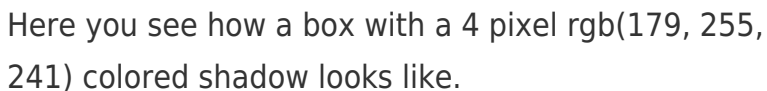
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 255, 241) }
```


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

```
.border{ border-color:rgb(179, 255, 241) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(179, 255,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2276, 87.4546, 96.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 255, 241) }
```

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

```
.background{ background-color: rgb(179,  
255, 241) }
```

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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