

Converting Colors

XYZ(70.3989, 87.6184, 95.7379)

Have a look what the booklet for
XYZ(70.3989, 87.6184, 95.7379)
contains.

XYZ(70.3106, 87.5146, 95.6243)	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(70.3106, 87.5146,
95.6243)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FFF0
RGB	180, 255, 240
RGB Percent	71%, 100%, 94%
CMY	0.2941, 0.0000, 0.0588
CMYK	0.29, 0.00, 0.06, 0.00
HSL	168°, 100%, 85%
HSV	168°, 29%, 100%
XYZ	70.3106, 87.5146, 95.6243
YIQ	230.8650, -39.8850, -20.5650

Conversions

Conversions Part 2

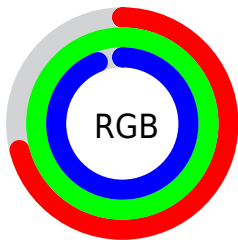
Format	Color
RYB	180, 222, 255
Decimal	11862000
CIELab	94.96, -26.06, -0.22
CIElCh	95, 26.060, 180.493
Yxy	87.5146, 0.2774, 0.3453
Android (android.graphics.Color)	4290052080 (0xFFB4FFF0)
YUV	230.8650, 4.5036, -44.6086
Hunter-Lab	93.5492, -29.5525, 4.8793

Details

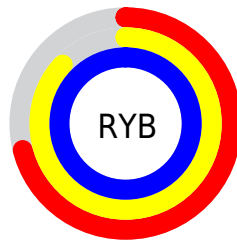
The XYZ color **70.3106, 87.5146, 95.6243** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **67.4123, 57.8439, 59.2425**, and the grayscale version is **75.8440, 79.7938, 86.8954**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **37.3033, 48.2088, 52.6865** is the 20% darker color. If you saturate the color by 10%, you get **64.1636, 84.4320, 91.4384**, and if you desaturate by 10%, it is **77.5728, 91.1696, 99.9764**.

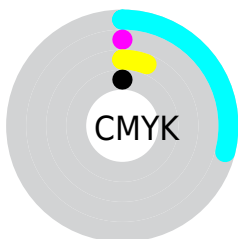
Distribution



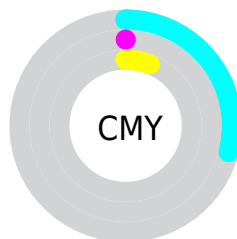
- Red (71%)
- Green (100%)
- Blue (94%)



- Red (71%)
- Yellow (87%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.3106, 87.5146, 95.6243 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 70.3106, 87.5146, 95.6243 by changing the saturation by 10% instead.


 70.3106, 87.5146,
95.6243

 70.3106, 87.5146,
95.6243


450.8892,
519.9123, 567.1970

 52.0603, 65.9211,
72.0549


 118.6754,
143.8812, 157.1298

 37.2776, 48.2084,
52.7164


149.5207,
179.4231, 195.9030

 25.5972, 33.9919,
37.1903


185.2950,
220.3833, 240.5813

 16.6536, 22.8874,
25.0579

226.3636,
267.1462, 291.5831

 10.0816, 14.5104,
15.9008

273.0920,
320.0961, 349.3271

 5.5158, 8.4765,
9.3004

325.8455,

 2.5908, 4.4013,

379.6176, 414.2317

4.8381

384.9895,
446.0948, 486.7155

■ 0.9413, 1.9005,
2.0955

■ 0.0000, 0.5487,
0.6131

■ 70.3106, 87.5146,
95.6243

■ 70.3106, 87.5146,
95.6243

■ 64.1636, 84.4320,
91.4384

■ 77.5728, 91.1696,
99.9764

■ 59.0689, 81.8895,
87.4107

■ 86.0028, 95.4242,
104.4937

■ 54.9615, 79.8535,
83.5384

95.0500, 100.0000,
108.9000

■ 51.7679, 78.2861,
79.8174

■ 49.4043, 77.1443,
76.2427

■ 47.7708, 76.3766,
72.8087

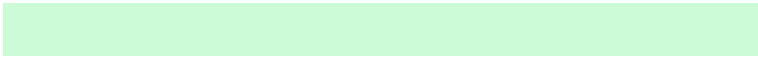
■ 46.7145, 75.9040,
69.5074

■ 46.6596, 75.8798,
69.3164

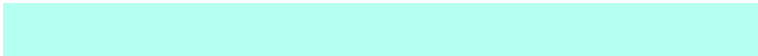
Harmonies

Analogous

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



71.8986, 87.5146, 77.3669



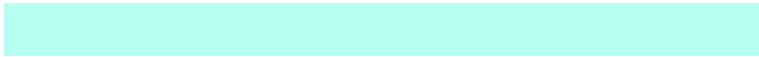
70.3106, 87.5146, 95.6243



72.0049, 87.5146, 116.4465

Triad

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



70.3106, 87.5146, 95.6243



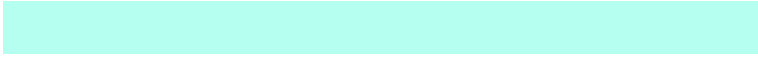
90.2724, 87.5146, 132.9370



90.0583, 87.5146, 65.2568

Complementary

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



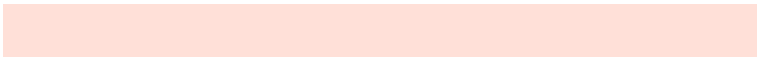
70.3106, 87.5146, 95.6243



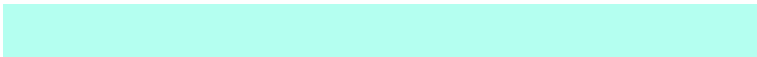
67.4123, 57.8439, 59.2425

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.



95.4554, 87.5146, 76.8624



70.3106, 87.5146, 95.6243



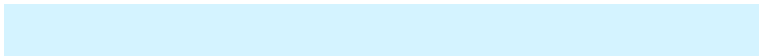
95.5838, 87.5146, 115.7838

Square

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



70.3106, 87.5146, 95.6243



83.2972, 87.5146, 139.7740



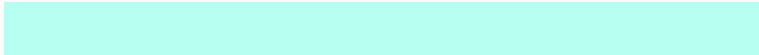
97.5311, 87.5146, 94.9535



83.0630, 87.5146, 61.4118

Rectangle

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



70.3106, 87.5146, 95.6243



74.8262, 87.5146, 128.6026



97.5311, 87.5146, 94.9535



92.1335, 87.5146, 68.2903

Sweetspot

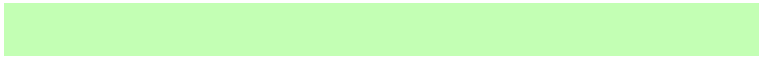
The Sweet Spot groups the original color and five complimentary colors.



70.3115, 87.5150, 95.6258



86.3747, 95.6121, 104.6828



66.5048, 86.4178, 56.3568



18.2077, 20.3234, 22.2633



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

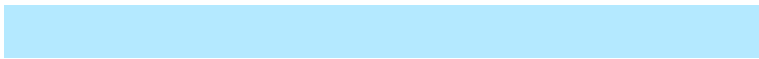
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.3115, 87.5150, 95.6258



66.7417, 85.7233, 93.2654



65.8709, 74.9193, 105.5968



18.3900, 20.4155, 22.3567



24.4354, 39.6708, 36.5077



2.4169, 3.8777, 3.7532

Inverse Universe

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



67.4123, 57.8439, 59.2425



63.4405, 51.8855, 51.7983



70.7171, 67.0325, 52.3930



18.1579, 18.0465, 19.4485



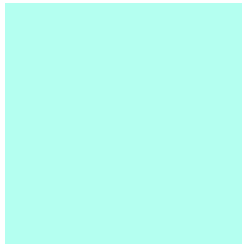
21.9026, 11.2503, 2.8718



2.1692, 1.1100, 0.4723

Previews

White Background



This preview shows how the XYZ color 70.3106, 87.5146, 95.6243 looks on a white background.

Color Contrast Check

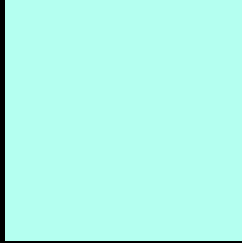
Large Text (above 18pt) WCAG AA × Fail

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 70.3106, 87.5146, 95.6243 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

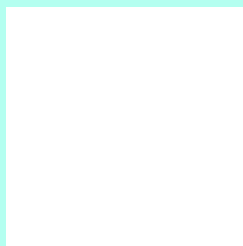
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.3106, 87.5146, 95.6243

Background



This preview shows how black text looks on a background with the XYZ color 70.3106, 87.5146, 95.6243.



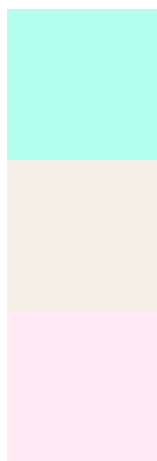
This preview shows how white text looks on a background with the XYZ color 70.3106, 87.5146,

95.6243.

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

70.3106, 87.5146, 95.6243

Protanopia

83.2963, 87.0954, 88.0222

Deuteranopia

86.8405, 86.5767, 96.9280



Tritanopia

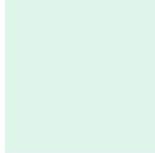
79.0213, 87.1237, 107.2594

Trichromacy



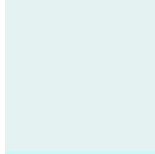
Original Color

70.3106, 87.5146, 95.6243



Protanomaly

77.6279, 86.7749, 90.4997



Deuteranomaly

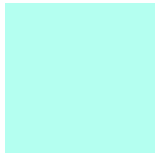
79.7741, 86.4090, 96.4785



Tritanomaly

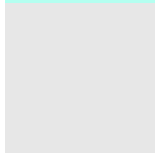
75.7596, 87.3500, 103.3098

Monochromacy



Original Color

70.3106, 87.5146, 95.6243



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.1627, 82.2577, 89.8631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.3106, 87.5146, 95.6243 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(180, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 240)  
}
```

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(180, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 240) }
```

Border

The CSS property to change the border of an element to XYZ 70.3106, 87.5146, 95.6243 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(180, 255, 240) }
```


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

```
.border{ border-color:rgb(180, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 70.3106, 87.5146, 95.6243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 240) }
```

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

```
.background{ background-color: rgb(180,  
255, 240) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor