

Converting Colors

XYZ(84.6185, 114.4430,
111.0864)

Have a look what the booklet for
XYZ(84.6185, 114.4430, 111.0864)
contains.

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Color

**XYZ(71.3286, 87.7897,
106.9516)**

Conversions

Conversions Part 1

Format	Color
Hex	AFFFFE
RGB	175, 255, 254
RGB Percent	69%, 100%, 100%
CMY	0.3137, 0.0000, 0.0039
CMYK	0.31, 0.00, 0.00, 0.00
HSL	179°, 100%, 84%
HSV	179°, 31%, 100%
XYZ	71.3286, 87.7897, 106.9516
YIQ	230.9660, -47.3590, -17.2710

Conversions

Conversions Part 2

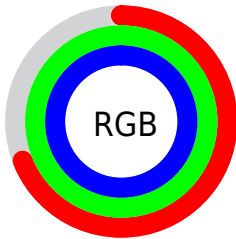
Format	Color
R_{YB}	175, 215, 255
Decimal	11534334
CIE _{Lab}	95.07, -24.39, -7.31
CIE _{LCh}	95, 25.459, 196.678
Yxy	87.7897, 0.2681, 0.3299
Android (android.graphics.Color)	4289724414 (0xFFAFFFE)
YUV	230.9660, 11.3558, -49.0822
Hunter-Lab	93.6962, -28.0806, -2.0906

Details

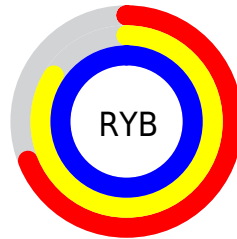
The XYZ color **71.3286, 87.7897, 106.9516** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **64.4074, 55.0561, 48.3076**, and the grayscale version is **75.8739, 79.8252, 86.9297**.

A 20% lighter version of the original color is **87.4143, 96.0636, 108.5427**, and **37.8799, 48.3413, 60.1577** is the 20% darker color. If you saturate the color by 10%, you get **66.0853, 85.0925, 106.4419**, and if you desaturate by 10%, it is **77.6549, 91.0451, 107.5154**.

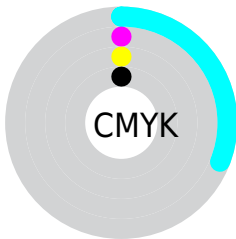
Distribution



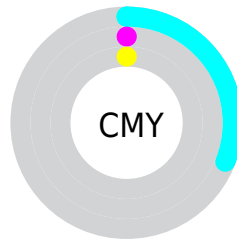
- Red (69%)
- Green (100%)
- Blue (100%)



- Red (69%)
- Yellow (84%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.3286, 87.7897, 106.9516 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 71.3286, 87.7897, 106.9516 by changing the saturation by 10% instead.


 71.3286, 87.7897,
106.9516

 71.3286, 87.7897,
106.9516


454.3953,
520.8143, 603.6936

 52.8939, 66.1489,
81.4695


 120.1175,
144.2643, 172.8128

 37.9452, 48.3933,
60.3951


151.2024,
179.8670, 214.0291

 26.1172, 34.1385,
43.3098


187.2347,
220.8924, 261.3272

 17.0445, 23.0000,
29.7951

228.5798,
267.7249, 315.1256

 10.3617, 14.5935,
19.4324

275.6031,
320.7490, 375.8429

 5.7035, 8.5346,
11.8031

328.6698,

 2.7046, 4.4389,

380.3490, 443.8976

6.4889

388.1455,
446.9093, 519.7084

■ 0.9995, 1.9220,
3.0710

■ 0.0000, 0.5615,
1.1310

■ 71.3286, 87.7897,
106.9516

■ 71.3286, 87.7897,
106.9516

■ 66.0853, 85.0925,
106.4419

■ 77.6549, 91.0451,
107.5154

■ 61.8606, 82.9205,
105.9788

■ 85.1170, 94.8861,
108.1313

■ 58.5887, 81.2396,
105.5607

■ 93.7683, 99.3401,
108.8034

■ 56.1944, 80.0112,
105.1842

■ 95.0500, 100.0000,
108.9000

■ 54.5915, 79.1907,
104.8451

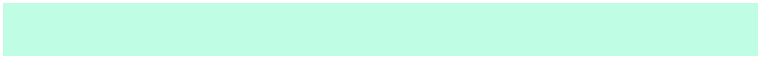
■ 53.6763, 78.7248,
104.5387

■ 53.3018, 78.5367,
104.2940

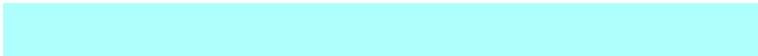
Harmonies

Analogous

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



71.1470, 87.7897, 87.0699



71.3286, 87.7897, 106.9516



74.6377, 87.7897, 126.0914

Triad

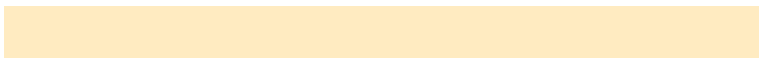
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.3286, 87.7897, 106.9516



93.5051, 87.7897, 124.2023



86.5465, 87.7897, 63.0833

Complementary

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



71.3286, 87.7897, 106.9516



64.4074, 55.0561, 48.3076

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.



92.9117, 87.7897, 70.4494



71.3286, 87.7897, 106.9516



97.0764, 87.7897, 104.6444

Square

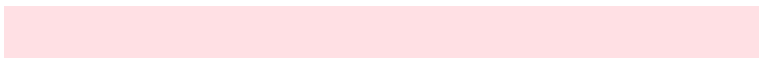
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.3286, 87.7897, 106.9516



87.3203, 87.7897, 136.9552



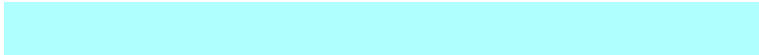
96.8535, 87.7897, 85.0594



79.6793, 87.7897, 63.5222

Rectangle

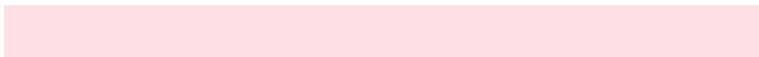
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.3286, 87.7897, 106.9516



78.2817, 87.7897, 135.0435



96.8535, 87.7897, 85.0594



88.8232, 87.7897, 64.6800

Sweetspot

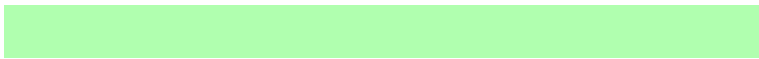
The Sweet Spot groups the original color and five complimentary colors.



71.3297, 87.7903, 106.9531



87.0589, 95.8857, 108.2855



61.4790, 83.8847, 53.5104



18.3774, 20.3913, 23.1572



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

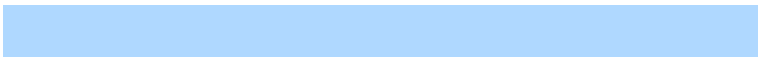
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.3297, 87.7903, 106.9531



67.7361, 85.9416, 106.6087



60.3718, 65.6180, 104.0914



18.5445, 20.4773, 23.1705



27.8559, 41.0389, 54.5196



2.7153, 3.9970, 5.3244

Inverse Universe

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



64.4074, 55.0561, 48.3076



59.7688, 48.2618, 39.1070



72.9410, 72.2808, 50.6665



18.0186, 17.9908, 18.7151



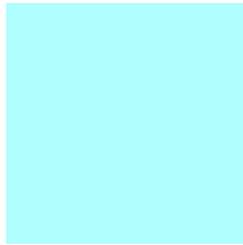
21.5619, 11.1140, 1.0773



2.1025, 1.0834, 0.1211

Previews

White Background



This preview shows how the XYZ color 71.3286, 87.7897, 106.9516 looks on a white background.

Color Contrast Check

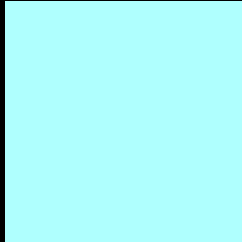
Large Text (above 18pt) WCAG AA × Fail

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 71.3286, 87.7897, 106.9516 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 71.3286, 87.7897, 106.9516

Background



This preview shows how black text looks on a background with the XYZ color 71.3286, 87.7897, 106.9516.

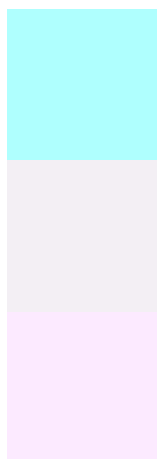


This preview shows how white text looks on a background with the XYZ color 71.3286, 87.7897,

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

71.3286, 87.7897, 106.9516

Protanopia

84.1578, 87.3193, 98.0067

Deuteranopia

87.6177, 86.7611, 106.7364



Tritanopia

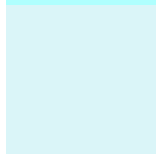
78.7267, 86.9719, 107.2457

Trichromacy



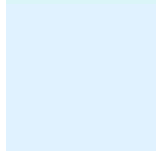
Original Color

71.3286, 87.7897, 106.9516



Protanomaly

78.5091, 86.9876, 101.4593



Deuteranomaly

80.5426, 86.5716, 107.0727



Tritanomaly

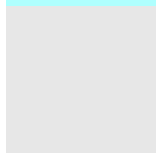
75.7451, 87.2507, 107.4566

Monochromacy



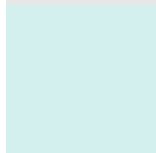
Original Color

71.3286, 87.7897, 106.9516



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.6040, 82.4011, 93.6870

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.3286, 87.7897, 106.9516 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(175, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 254)  
}
```

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(175, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 254) }
```

Border

The CSS property to change the border of an element to XYZ 71.3286, 87.7897, 106.9516 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(175, 255, 254) }
```


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

```
.border{ border-color:rgb(175, 255, 254) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 71.3286, 87.7897, 106.9516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 254) }
```

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

```
.background{ background-color: rgb(175,  
255, 254) }
```

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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