

Converting Colors

XYZ(71.9255, 86.8719,
107.5848)

Have a look what the booklet for
XYZ(71.9255, 86.8719, 107.5848)
contains.

XYZ(71.6828, 86.5441, 107.5343)	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(71.6828, 86.5441,
107.5343)**

Conversions

Conversions Part 1

Format	Color
Hex	B4FCFF
RGB	180, 252, 255
RGB Percent	71%, 99%, 100%
CMY	0.2941, 0.0117, 0.0000
CMYK	0.29, 0.01, 0.00, 0.00
HSL	182°, 100%, 85%
HSV	182°, 29%, 100%
XYZ	71.6828, 86.5441, 107.5343
YIQ	230.8140, -43.8750, -14.3310

Conversions

Conversions Part 2

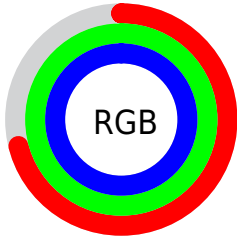
Format	Color
R _Y B	180, 217, 255
Decimal	11861247
CIE Lab	94.54, -21.36, -8.58
CIE LCh	95, 23.019, 201.876
Yxy	86.5441, 0.2697, 0.3256
Android (android.graphics.Color)	4290051327 (0xFFB4FCFF)
YUV	230.8140, 11.9237, -44.5639
Hunter-Lab	93.0291, -25.2592, -3.4142

Details

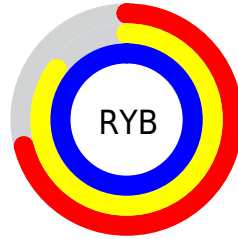
The XYZ color **71.6828, 86.5441, 107.5343** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **66.4118, 58.4219, 50.9582**, and the grayscale version is **75.7568, 79.7021, 86.7956**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **38.0203, 47.3925, 60.5699** is the 20% darker color. If you saturate the color by 10%, you get **65.9653, 83.1253, 107.1758**, and if you desaturate by 10%, it is **78.4986, 90.5360, 107.9456**.

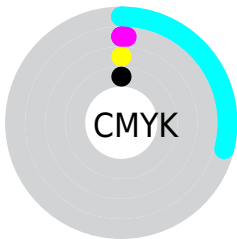
Distribution



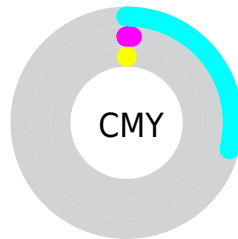
- Red (71%)
- Green (99%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.6828, 86.5441, 107.5343 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 71.6828, 86.5441, 107.5343 by changing the saturation by 10% instead.

71.6828, 86.5441,
107.5343

71.6828, 86.5441,
107.5343

455.6116,
516.7236, 605.5394

53.1841, 65.1180,
81.9556

120.6187,
142.5285, 173.6150

38.1779, 47.5568,
60.7934

151.7866,
177.8556, 214.9541

26.2986, 33.4760,
43.6290

187.9084,
218.5852, 262.3838

17.1810, 22.4914,
30.0439

229.3493,
265.1016, 316.3225

10.4597, 14.2184,
19.6195

276.4747,
317.7892, 377.1889

5.7694, 8.2727,
11.9375

329.6500,

2.7447, 4.2699,

377.0325, 445.4015

6.5791

389.2405,
443.2159, 521.3788

■ 1.0202, 1.8257,
3.1259

■ 0.0000, 0.5031,
1.1593

■ 71.6828, 86.5441,
107.5343

■ 71.6828, 86.5441,
107.5343

■ 65.9653, 83.1253,
107.1758

■ 78.4986, 90.5360,
107.9456

■ 61.2794, 80.2386,
106.8656

■ 86.4611, 95.1195,
108.4107

■ 57.5615, 77.8535,
106.6012

95.0500, 100.0000,
108.9000

■ 54.7383, 75.9321,
106.3791

■ 52.7262, 74.4314,
106.1955

■ 51.4256, 73.3001,
106.0457

■ 50.6836, 72.4592,
105.9225

■ 50.6466, 72.4132,
105.9155

Harmonies

Analogous

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



71.0109, 86.5441, 89.4885



71.6828, 86.5441, 107.5343



75.1147, 86.5441, 123.7240

Triad

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



71.6828, 86.5441, 107.5343



91.9970, 86.5441, 116.9216



83.9539, 86.5441, 64.3117

Complementary

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



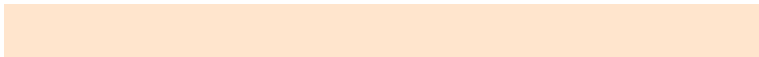
71.6828, 86.5441, 107.5343



66.4118, 58.4219, 50.9582

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.



89.8394, 86.5441, 69.8436



71.6828, 86.5441, 107.5343



94.6331, 86.5441, 99.1399

Square

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



71.6828, 86.5441, 107.5343



86.7800, 86.5441, 129.6003



93.8243, 86.5441, 82.0743



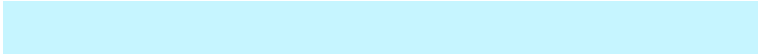
77.8951, 86.5441, 65.9657

Rectangle

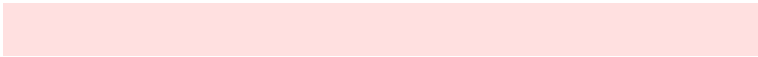
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



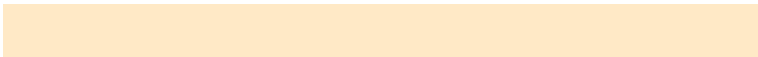
71.6828, 86.5441, 107.5343



78.6044, 86.5441, 130.5480



93.8243, 86.5441, 82.0743



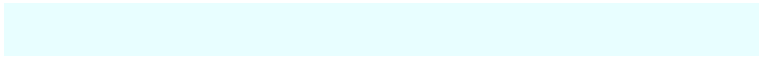
86.0222, 86.5441, 65.3649

Sweetspot

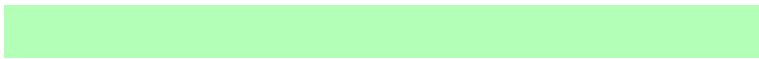
The Sweet Spot groups the original color and five complimentary colors.



71.6851, 86.5475, 107.5349



86.8132, 95.3207, 108.4309



63.0788, 84.6220, 57.5383



18.3164, 20.2509, 23.1934



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

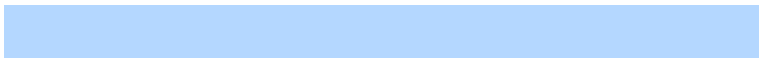
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.6851, 86.5475, 107.5349



68.3569, 84.5667, 107.3280



61.1741, 65.5256, 104.0312



18.4890, 20.3496, 23.2033



26.4914, 37.8924, 55.3523



2.5980, 3.7266, 5.3957

Inverse Universe

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



75.1334, 60.9325, 99.9005



72.3121, 55.4342, 98.5156



75.0722, 75.7427, 53.8450



18.7595, 18.2871, 22.6166



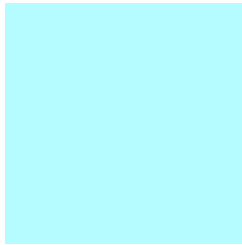
30.1598, 14.5532, 46.3537



2.9459, 1.4207, 4.5627

Previews

White Background



This preview shows how the XYZ color 71.6828, 86.5441, 107.5343 looks on a white background.

Color Contrast Check

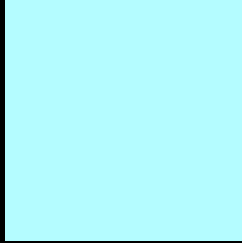
Large Text (above 18pt) WCAG AA × Fail

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 71.6828, 86.5441, 107.5343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

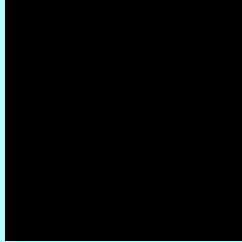
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.6828, 86.5441, 107.5343

Background



This preview shows how black text looks on a background with the XYZ color 71.6828, 86.5441, 107.5343.



This preview shows how white text looks on a background with the XYZ color 71.6828, 86.5441,

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





Tritanopia

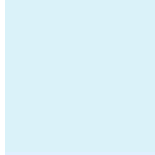
77.8413, 86.0675, 107.1178

Trichromacy



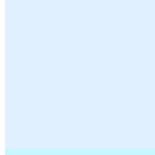
Original Color

71.6828, 86.5441, 107.5343



Protanomaly

77.7645, 85.2492, 101.9787



Deuteranomaly

79.9506, 85.3875, 106.8753



Tritanomaly

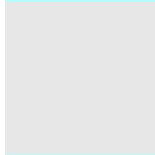
75.3982, 86.1590, 107.2642

Monochromacy



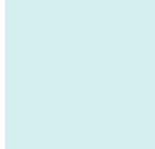
Original Color

71.6828, 86.5441, 107.5343



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.7461, 82.0213, 94.3829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.6828, 86.5441, 107.5343 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, 252, 255)` looks like.

```
.text, #text, p{  
    color:rgb(180, 252, 255)  
}
```

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, 252, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 252, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.6828, 86.5441, 107.5343 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, 252, 255) }
```


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

```
.border{ border-color:rgb(180, 252, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 252, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 252, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 252, 255);  
box-shadow:4px 4px 4px 4px rgb(180, 252,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.6828, 86.5441, 107.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 252, 255) }
```

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

```
.background{ background-color: rgb(180,  
252, 255) }
```

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