

Converting Colors

XYZ(71.8804, 87.4539,
107.6995)

Have a look what the booklet for
XYZ(71.8804, 87.4539, 107.6995)
contains.

XYZ(72.0822, 87.6873, 107.7340)	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(72.0822, 87.6873,
107.7340)**

Conversions

Conversions Part 1

Format	Color
Hex	B3FEFF
RGB	179, 254, 255
RGB Percent	70%, 100%, 100%
CMY	0.2980, 0.0039, 0.0000
CMYK	0.30, 0.00, 0.00, 0.00
HSL	181°, 100%, 85%
HSV	181°, 30%, 100%
XYZ	72.0822, 87.6873, 107.7340
YIQ	231.6890, -45.0210, -15.5890

Conversions

Conversions Part 2

Format	Color
RYB	179, 217, 255
Decimal	11796223
CIELab	95.03, -22.61, -7.86
CIELCh	95, 23.936, 199.182
Yxy	87.6873, 0.2695, 0.3278
Android (android.graphics.Color)	4289986303 (0xFFB3FEFF)
YUV	231.6890, 11.4923, -46.2083
Hunter-Lab	93.6415, -26.4691, -2.6638

Details

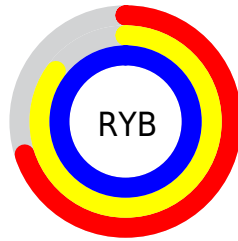
The XYZ color **72.0822, 87.6873, 107.7340** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **65.6980, 57.1568, 50.2193**, and the grayscale version is **76.4121, 80.3915, 87.5464**.

A 20% lighter version of the original color is **88.7351, 96.7445, 108.6045**, and **38.3277, 48.2207, 60.7135** is the 20% darker color. If you saturate the color by 10%, you get **66.6195, 84.7162, 107.4484**, and if you desaturate by 10%, it is **78.6394, 91.2274, 108.0716**.

Distribution



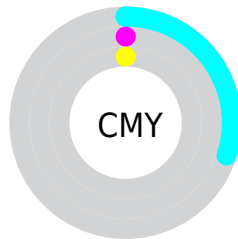
- Red (70%)
- Green (100%)
- Blue (100%)



- Red (70%)
- Yellow (85%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.0822, 87.6873, 107.7340 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 72.0822, 87.6873, 107.7340 by changing the saturation by 10% instead.

72.0822, 87.6873,
107.7340

72.0822, 87.6873,
107.7340

456.9808,
520.4787, 606.1713

53.5115, 66.0641,
82.1223

121.1836,
144.1217, 173.8898

38.4404, 48.3245,
60.9299

152.4450,
179.7018, 215.2709

26.5034, 34.0839,
43.7384

188.6673,
220.7029, 262.7456

17.3353, 22.9581,
30.1292

230.2160,
267.5095, 316.7324

10.5706, 14.5625,
19.6838

277.4563,
320.5060, 377.6499

5.8441, 8.5130,
11.9836

330.7537,

2.7902, 4.4249,

380.0768, 445.9164

6.6101

390.4734,
446.6062, 521.9508

■ 1.0438, 1.9140,
3.1448

■ 0.0000, 0.5568,
1.1690

■ 72.0822, 87.6873,
107.7340

■ 72.0822, 87.6873,
107.7340

■ 66.6195, 84.7162,
107.4484

■ 78.6394, 91.2274,
108.0716

■ 62.1843, 82.2728,
107.2105

■ 86.3399, 95.3549,
108.4625

■ 58.7129, 80.3266,
107.0178

95.0500, 100.0000,
108.9000

■ 56.1316, 78.8395,
106.8668

■ 54.3564, 77.7682,
106.7536

■ 53.2868, 77.0610,
106.6735

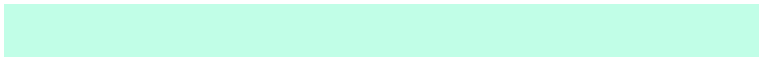
■ 52.7622, 76.6350,
106.6189

■ 52.7538, 76.6276,
106.6179

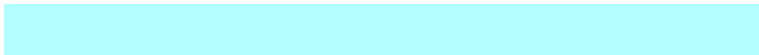
Harmonies

Analogous

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



71.6546, 87.6873, 88.9109



72.0822, 87.6873, 107.7340



75.4342, 87.6873, 125.2261

Triad

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



72.0822, 87.6873, 107.7340



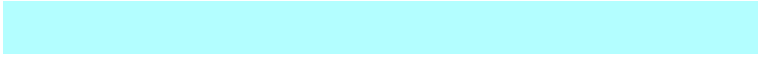
93.1708, 87.6873, 120.8527



85.7135, 87.6873, 64.4421

Complementary

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



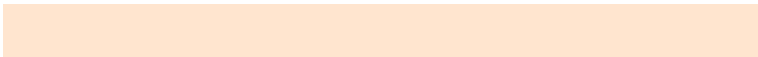
72.0822, 87.6873, 107.7340



65.6980, 57.1568, 50.2193

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.



91.7886, 87.6873, 70.8565



72.0822, 87.6873, 107.7340



96.2406, 87.6873, 102.3578

Square

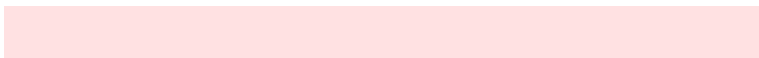
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



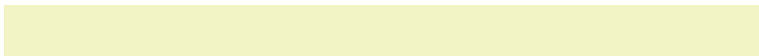
72.0822, 87.6873, 107.7340



87.5209, 87.6873, 133.4546



95.7220, 87.6873, 84.1860



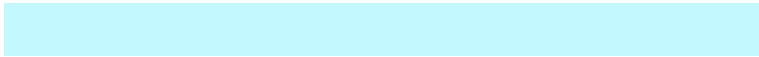
79.3025, 87.6873, 65.4879

Rectangle

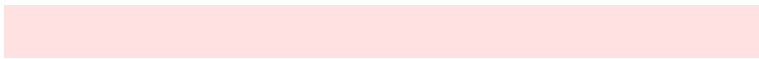
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.0822, 87.6873, 107.7340



78.9782, 87.6873, 133.0177



95.7220, 87.6873, 84.1860



87.8681, 87.6873, 65.7604

Sweetspot

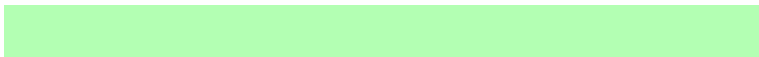
The Sweet Spot groups the original color and five complimentary colors.



72.0845, 87.6907, 107.7345



87.0091, 95.7125, 108.4962



62.4882, 84.3589, 55.6391



18.3651, 20.3483, 23.2096



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.



72.0845, 87.6907, 107.7345



68.5729, 85.7829, 107.5513



61.4545, 66.4307, 104.1912



18.5333, 20.4382, 23.2181



27.5743, 40.0583, 55.7133



2.6911, 3.9129, 5.4267

Inverse Universe

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



75.2509, 60.6576, 101.5118



72.2297, 54.6683, 100.3413



74.1903, 74.1414, 53.0501



18.7818, 18.2960, 22.7342



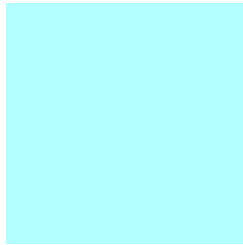
30.7065, 14.7719, 49.2321



2.9930, 1.4396, 4.8103

Previews

White Background



This preview shows how the XYZ color 72.0822, 87.6873, 107.7340 looks on a white background.

Color Contrast Check

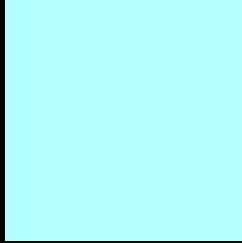
Large Text (above 18pt) WCAG AA × Fail

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 72.0822, 87.6873, 107.7340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

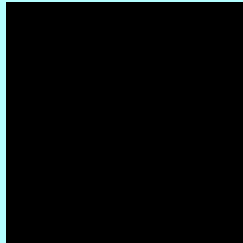
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.0822, 87.6873, 107.7340

Background



This preview shows how black text looks on a background with the XYZ color 72.0822, 87.6873, 107.7340.

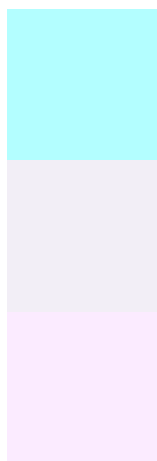


This preview shows how white text looks on a background with the XYZ color 72.0822, 87.6873,

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

72.0822, 87.6873, 107.7340

Protanopia

83.8270, 86.6801, 99.5016

Deuteranopia

87.5420, 87.1459, 106.8146



Tritanopia

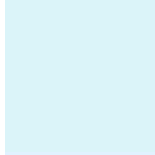
79.0213, 87.1237, 107.2594

Trichromacy



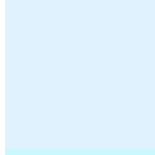
Original Color

72.0822, 87.6873, 107.7340



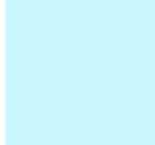
Protanomaly

78.6630, 86.6010, 102.1922



Deuteranomaly

80.8535, 86.7318, 107.0872



Tritanomaly

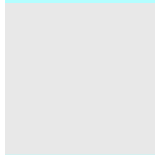
76.2460, 87.0513, 107.3917

Monochromacy



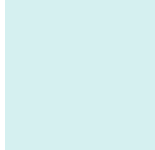
Original Color

72.0822, 87.6873, 107.7340



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3288, 82.7576, 94.4943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0822, 87.6873, 107.7340 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(179, 254, 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(179, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 254, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.0822, 87.6873, 107.7340 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, 254, 255) }
```


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

```
.border{ border-color:rgb(179, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(179, 254,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0822, 87.6873, 107.7340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 254, 255) }
```

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

```
.background{ background-color: rgb(179,  
254, 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