

Converting Colors

XYZ(76.8117, 89.0966,
127.0843)

Have a look what the booklet for
XYZ(76.8117, 89.0966, 127.0843)
contains.

XYZ(73.1829, 87.7848, 107.6948)	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(73.1829, 87.7848,
107.6948)**

Conversions

Conversions Part 1

Format	Color
Hex	B9FDFF
RGB	185, 253, 255
RGB Percent	73%, 99%, 100%
CMY	0.2745, 0.0078, 0.0000
CMYK	0.27, 0.01, 0.00, 0.00
HSL	182°, 100%, 86%
HSV	182°, 27%, 100%
XYZ	73.1829, 87.7848, 107.6948
YIQ	232.8960, -41.1700, -13.7940

Conversions

Conversions Part 2

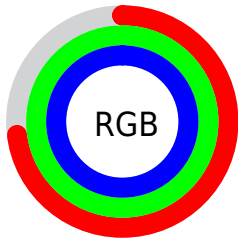
Format	Color
R _Y B	185, 219, 255
Decimal	12189183
CIE Lab	95.07, -20.48, -7.77
CIE LCh	95, 21.900, 200.779
Yxy	87.7848, 0.2724, 0.3267
Android (android.graphics.Color)	4290379263 (0xFFB9FDFF)
YUV	232.8960, 10.8973, -42.0048
Hunter-Lab	93.6935, -24.5395, -2.5646

Details

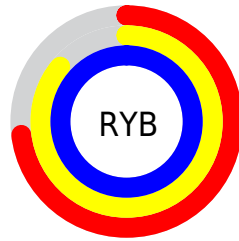
The XYZ color **73.1829, 87.7848, 107.6948** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.7674, 60.3031, 53.9689**, and the grayscale version is **77.3187, 81.3452, 88.5850**.

A 20% lighter version of the original color is **90.7721, 97.7947, 108.6998**, and **39.1389, 48.3029, 60.6866** is the 20% darker color. If you saturate the color by 10%, you get **67.3458, 84.4379, 107.3564**, and if you desaturate by 10%, it is **80.1286, 91.7090, 108.0861**.

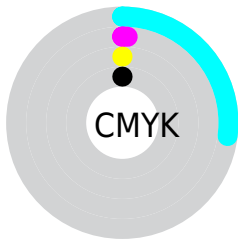
Distribution



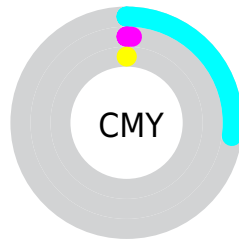
- Red (73%)
- Green (99%)
- Blue (100%)



- Red (73%)
- Yellow (86%)
- Blue (100%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (27%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1829, 87.7848, 107.6948 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 73.1829, 87.7848, 107.6948 by changing the saturation by 10% instead.


 73.1829, 87.7848,
107.6948

 73.1829, 87.7848,
107.6948


460.7424,
520.7982, 606.0473

 54.4144, 66.1449,
82.0896


 122.7386,
144.2575, 173.8359

 39.1651, 48.3900,
60.9031


154.2565,
179.8591, 215.2088

 27.0695, 34.1358,
43.7169


190.7549,
220.8833, 262.6746

 17.7623, 22.9980,
30.1125

232.5992,
267.7146, 316.6520

 10.8781, 14.5920,
19.6712

280.1548,
320.7373, 377.5594

 6.0516, 8.5336,
11.9746

333.7869,

 2.9174, 4.4382,

380.3359, 445.8154

6.6040

393.8610,
446.8948, 521.8385

■ 1.1103, 1.9216,
3.1411

■ 0.0337, 0.5613,
1.1671

■ 73.1829, 87.7848,
107.6948

■ 73.1829, 87.7848,
107.6948

■ 67.3458, 84.4379,
107.3564

■ 80.1286, 91.7090,
108.0861

■ 62.5516, 81.6276,
107.0666

■ 88.2307, 96.2285,
108.5314

■ 58.7380, 79.3242,
106.8230

95.0500, 100.0000,
108.9000

■ 55.8333, 77.4907,
106.6222

■ 53.7564, 76.0851,
106.4604

■ 52.4113, 75.0581,
106.3330

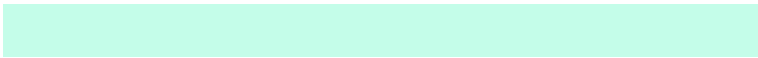
■ 51.6731, 74.3453,
106.2344

■ 51.5347, 74.1894,
106.2116

Harmonies

Analogous

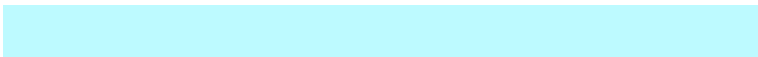
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6374, 87.7848, 90.4240



73.1829, 87.7848, 107.6948



76.4043, 87.7848, 123.3045

Triad

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



73.1829, 87.7848, 107.6948



92.6254, 87.7848, 117.8528



85.2850, 87.7848, 66.7307

Complementary

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



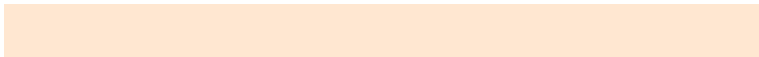
73.1829, 87.7848, 107.6948



67.7674, 60.3031, 53.9689

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.



90.8882, 87.7848, 72.3624



73.1829, 87.7848, 107.6948



95.2569, 87.7848, 100.9340

Square

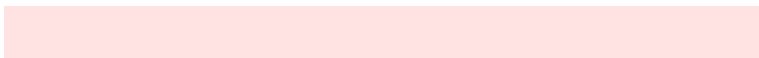
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.1829, 87.7848, 107.6948



87.5653, 87.7848, 129.6366



94.6064, 87.7848, 84.4146



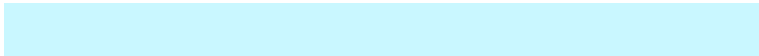
79.4402, 87.7848, 68.0850

Rectangle

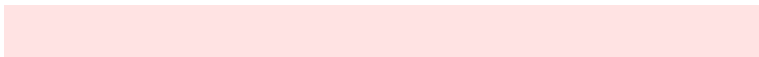
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1829, 87.7848, 107.6948



79.7239, 87.7848, 130.0108



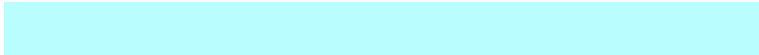
94.6064, 87.7848, 84.4146



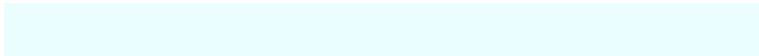
87.2633, 87.7848, 67.8419

Sweetspot

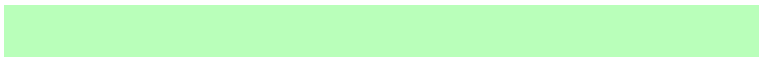
The Sweet Spot groups the original color and five complimentary colors.



73.1852, 87.7882, 107.6953



87.7538, 95.9637, 108.5055



64.6495, 85.3871, 59.6233



18.5079, 20.3873, 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.



73.1852, 87.7882, 107.6953



69.8114, 85.8601, 107.5009



63.3470, 68.1118, 104.4159



18.5079, 20.3873, 23.2096



26.9479, 38.8054, 55.5045



2.6373, 3.8053, 5.4088

Inverse Universe

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



76.3201, 63.0516, 101.0800



73.4407, 57.3956, 99.8035



75.8983, 76.5648, 56.6791



18.7690, 18.2909, 22.6666



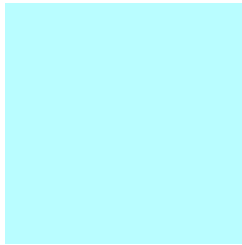
30.3903, 14.6454, 47.5670



2.9658, 1.4287, 4.6672

Previews

White Background



This preview shows how the XYZ color 73.1829, 87.7848, 107.6948 looks on a white background.

Color Contrast Check

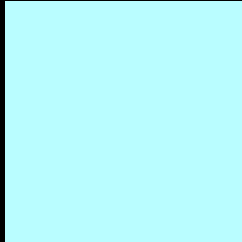
Large Text (above 18pt) WCAG AA × Fail

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 73.1829, 87.7848, 107.6948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

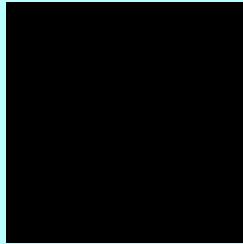
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

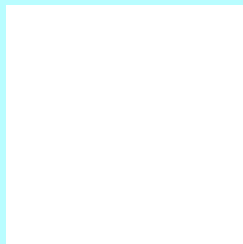
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1829, 87.7848, 107.6948

Background



This preview shows how black text looks on a background with the XYZ color 73.1829, 87.7848, 107.6948.

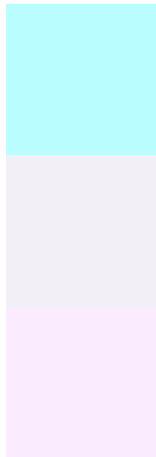


This preview shows how white text looks on a background with the XYZ color 73.1829, 87.7848,

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

73.1829, 87.7848, 107.6948

Protanopia

84.1190, 87.2641, 99.5989

Deuteranopia

87.5420, 87.1459, 106.8146



Tritanopia

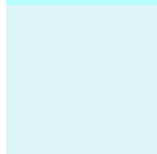
79.6158, 87.4302, 107.2873

Trichromacy



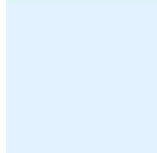
Original Color

73.1829, 87.7848, 107.6948



Protanomaly

79.2684, 86.9131, 102.2205



Deuteranomaly

81.4807, 87.0552, 107.1166



Tritanomaly

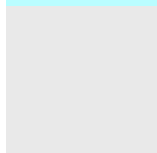
77.0710, 87.4766, 107.4303

Monochromacy



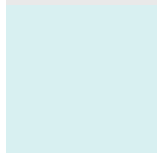
Original Color

73.1829, 87.7848, 107.6948



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.3562, 83.2700, 95.3201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1829, 87.7848, 107.6948 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(185, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(185, 253, 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(185, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 253, 255) }
```

Border

The CSS property to change the border of an element to XYZ 73.1829, 87.7848, 107.6948 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(185, 253, 255) }
```


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

```
.border{ border-color:rgb(185, 253, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 253, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(185, 253,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1829, 87.7848, 107.6948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 253, 255) }
```

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

```
.background{ background-color: rgb(185,  
253, 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