

Converting Colors

XYZ(73.7242, 90.3838, 84.9334)

Have a look what the booklet for
XYZ(73.7242, 90.3838, 84.9334)
contains.

XYZ(73.1700, 89.2356, 84.6019)	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(73.1700, 89.2356,
84.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	C8FFE1
RGB	200, 255, 225
RGB Percent	78%, 100%, 88%
CMY	0.2157, 0.0000, 0.1176
CMYK	0.22, 0.00, 0.12, 0.00
HSL	147°, 100%, 89%
HSV	147°, 22%, 100%
XYZ	73.1700, 89.2356, 84.6019
YIQ	235.1350, -23.1500, -20.9900

Conversions

Conversions Part 2

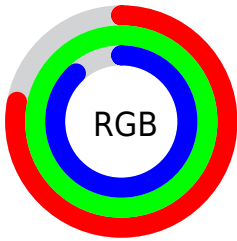
Format	Color
R _Y B	200, 238, 255
Decimal	13172705
CIE Lab	95.68, -23.13, 8.68
CIE LCh	96, 24.701, 159.420
Yxy	89.2356, 0.2962, 0.3613
Android (android.graphics.Color)	4291362785 (0xFFC8FFE1)
YUV	235.1350, -4.9966, -30.8134
Hunter-Lab	94.4646, -27.0512, 13.0255

Details

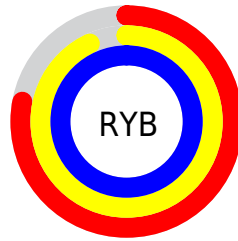
The XYZ color **73.1700, 89.2356, 84.6019** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **76.1776, 68.2826, 84.0277**, and the grayscale version is **79.1176, 83.2378, 90.6460**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.1268, 49.3102, 45.4858** is the 20% darker color. If you saturate the color by 10%, you get **65.0972, 85.2843, 74.7199**, and if you desaturate by 10%, it is **82.5348, 93.8350, 95.3541**.

Distribution



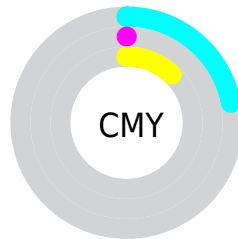
- Red (78%)
- Green (100%)
- Blue (88%)



- Red (78%)
- Yellow (93%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (12%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1700, 89.2356, 84.6019 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 73.1700, 89.2356, 84.6019 by changing the saturation by 10% instead.


 73.1700, 89.2356,
84.6019

 73.1700, 89.2356,
84.6019


460.6985,
525.5411, 530.4200

 54.4039, 67.3468,
62.9642


122.7203,
146.2762, 141.6861

 39.1566, 49.3665,
45.3715


154.2353,
182.1967, 177.9696

 27.0628, 34.9103,
31.4050


190.7305,
223.5634, 219.9723

 17.7572, 23.5938,
20.6464

232.5713,
270.7604, 268.1125

 10.8745, 15.0326,
12.6771

280.1232,
324.1724, 322.8088

 6.0492, 8.8423,
7.0785

333.7515,

 2.9159, 4.6384,

384.1835, 384.4798

3.4320

393.8214,
451.1783, 453.5441

■ 1.1095, 2.0367,
1.3192

■ 0.0330, 0.6287,
0.0775

■ 73.1700, 89.2356,
84.6019

■ 73.1700, 89.2356,
84.6019

■ 65.0972, 85.2843,
74.7199

■ 82.5348, 93.8350,
95.3541

■ 58.2540, 81.9494,
65.6819

■ 93.2452, 99.1099,
106.9932

■ 52.5764, 79.1985,
57.4663

■ 95.0500, 100.0000,
108.9000

■ 47.9932, 76.9952,
50.0493

■ 44.4251, 75.2991,
43.4055

■ 41.7811, 74.0639,
37.5081

■ 39.9527, 73.2341,
32.3284

■ 38.9074, 72.7789,
28.4938

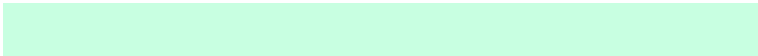
Harmonies

Analogous

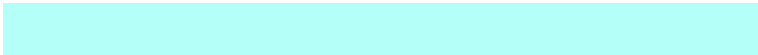
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7919, 89.2356, 71.0436



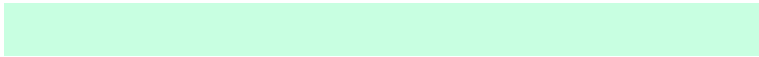
73.1700, 89.2356, 84.6019



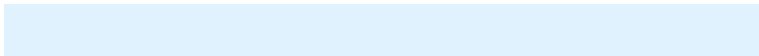
72.5761, 89.2356, 103.4122

Triad

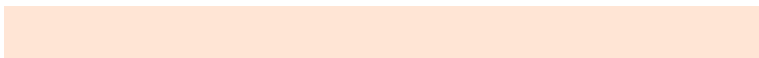
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1700, 89.2356, 84.6019



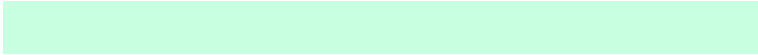
86.9708, 89.2356, 138.9174



95.3074, 89.2356, 75.2991

Complementary

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



73.1700, 89.2356, 84.6019



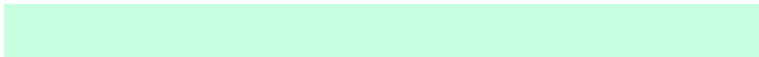
76.1776, 68.2826, 84.0277

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.



98.3596, 89.2356, 91.1696



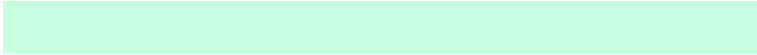
73.1700, 89.2356, 84.6019



93.3800, 89.2356, 129.0067

Square

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



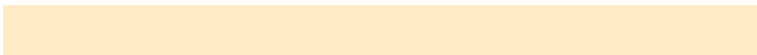
73.1700, 89.2356, 84.6019



80.3084, 89.2356, 136.5425



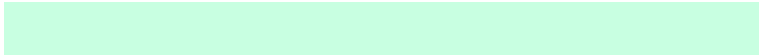
97.6360, 89.2356, 110.9084



89.4887, 89.2356, 66.1910

Rectangle

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



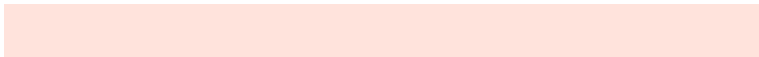
73.1700, 89.2356, 84.6019



73.9435, 89.2356, 116.7124



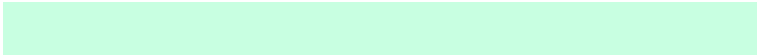
97.6360, 89.2356, 110.9084



96.7047, 89.2356, 79.9273

Sweetspot

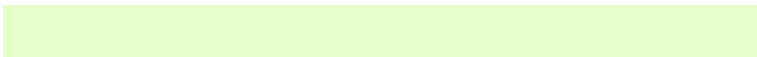
The Sweet Spot groups the original color and five complimentary colors.



73.1708, 89.2360, 84.6033



88.3287, 96.6869, 101.7237



78.8992, 92.5547, 68.3511



18.7558, 20.6210, 21.6100



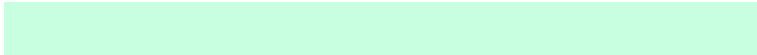
0.0000, 0.0000, 0.0000



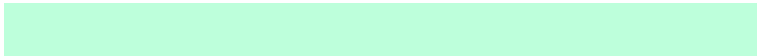
20.3446, 21.4041, 23.3091

Same Dimension

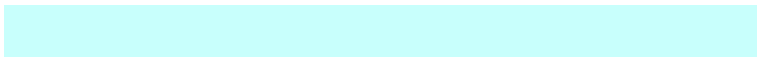
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.1708, 89.2360, 84.6033



69.4367, 87.4064, 80.1172



77.1903, 90.8438, 105.7696



18.1149, 20.3055, 20.9080



20.4030, 38.0578, 15.2735



2.0408, 3.7273, 1.7729

Inverse Universe

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



76.1776, 68.2826, 84.0277



72.9450, 62.9550, 79.4427



72.6446, 66.8694, 65.4232



18.4239, 18.1529, 20.8493



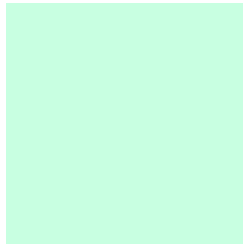
24.0635, 12.1147, 14.2508



2.3981, 1.2016, 1.6779

Previews

White Background



This preview shows how the XYZ color 73.1700, 89.2356, 84.6019 looks on a white background.

Color Contrast Check

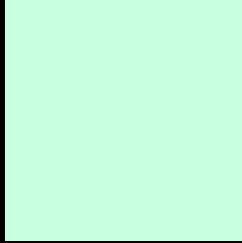
Large Text (above 18pt) WCAG AA × Fail

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 73.1700, 89.2356, 84.6019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

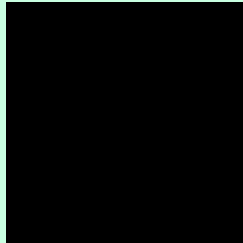
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

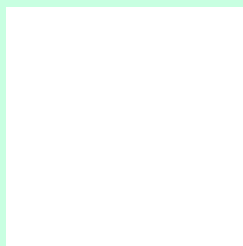
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.1700, 89.2356, 84.6019

Background



This preview shows how black text looks on a background with the XYZ color 73.1700, 89.2356, 84.6019.



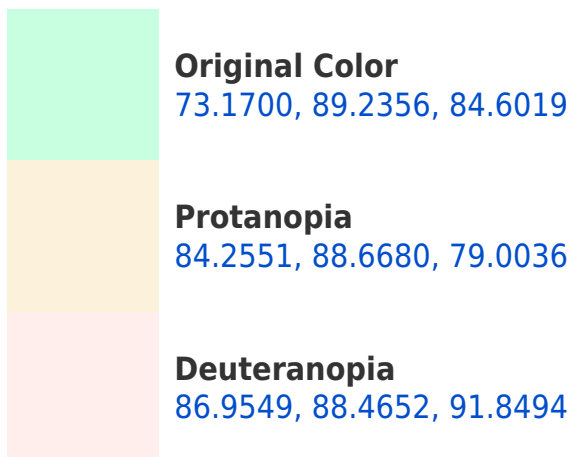
This preview shows how white text looks on a background with the XYZ color 73.1700, 89.2356,

84.6019.

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

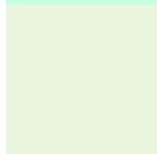
82.3810, 88.8557, 107.4167

Trichromacy



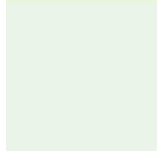
Original Color

73.1700, 89.2356, 84.6019



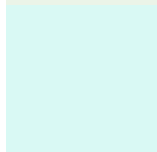
Protanomaly

79.6112, 88.4556, 81.2843



Deuteranomaly

81.1771, 88.1897, 89.0878



Tritanomaly

78.8201, 89.0347, 98.6191

Monochromacy



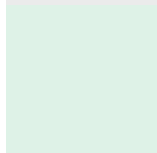
Original Color

73.1700, 89.2356, 84.6019



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.3001, 84.8034, 87.9485

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1700, 89.2356, 84.6019 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(200, 255, 225)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 225)  
}
```

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(200, 255, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 225) }
```

Border

The CSS property to change the border of an element to XYZ 73.1700, 89.2356, 84.6019 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(200, 255, 225) }
```


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

```
.border{ border-color:rgb(200, 255, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 255, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 225);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1700, 89.2356, 84.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 225) }
```

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

```
.background{ background-color: rgb(200,  
255, 225) }
```

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