

Converting Colors

XYZ(73.5396, 85.6042, 90.2056)

Have a look what the booklet for
XYZ(73.5396, 85.6042, 90.2056)
contains.

XYZ(73.5656, 85.5839, 90.4839)	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(73.5656, 85.5839,
90.4839)**

Conversions

Conversions Part 1

Format	Color
Hex	CEF7EA
RGB	206, 247, 234
RGB Percent	81%, 97%, 92%
CMY	0.1921, 0.0314, 0.0823
CMYK	0.17, 0.00, 0.05, 0.03
HSL	161°, 72%, 89%
HSV	161°, 17%, 97%
XYZ	73.5656, 85.5839, 90.4839
YIQ	233.2590, -20.2630, -12.7350

Conversions

Conversions Part 2

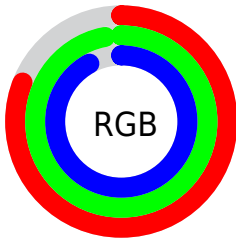
Format	Color
R _Y B	206, 230, 247
Decimal	13563882
CIE Lab	94.13, -15.64, 1.85
CIE LCh	94, 15.752, 173.242
Yxy	85.5839, 0.2947, 0.3428
Android (android.graphics.Color)	4291753962 (0xFFCE7EA)
YUV	233.2590, 0.3653, -23.9061
Hunter-Lab	92.5116, -19.9513, 6.7676

Details

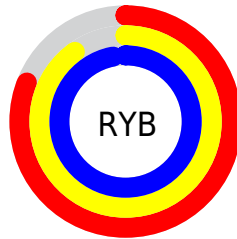
The XYZ color **73.5656, 85.5839, 90.4839** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.2183, 69.0333, 76.4873**, and the grayscale version is **77.6574, 81.7016, 88.9731**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.4292, 47.0553, 49.1239** is the 20% darker color. If you saturate the color by 10%, you get **66.1398, 81.8852, 84.3922**, and if you desaturate by 10%, it is **82.1236, 89.8651, 96.8919**.

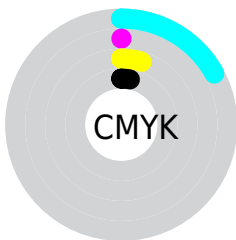
Distribution



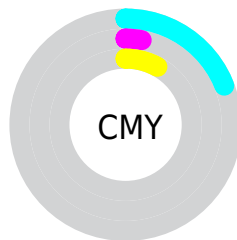
- Red (81%)
- Green (97%)
- Blue (92%)



- Red (81%)
- Yellow (90%)
- Blue (97%)



- Cyan (17%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (19%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.5656, 85.5839, 90.4839 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 73.5656, 85.5839, 90.4839 by changing the saturation by 10% instead.

73.5656, 85.5839,
90.4839

73.5656, 85.5839,
90.4839

462.0462,
513.5582, 550.2144

54.7286, 64.3240,
67.8061

123.2786,
141.1887, 149.9518

39.4174, 46.9131,
49.2743

154.8854,
176.3023, 187.5789

27.2668, 32.9670,
34.4700

191.4794,
216.8026, 231.0262

17.9113, 22.1011,
22.9746

233.4261,
263.0740, 280.7122

10.9856, 13.9312,
14.3696

281.0907,
315.5009, 337.0555

6.1244, 8.0729,
8.2365

334.8387,

2.9623, 4.1416,

374.4676, 400.4746

4.1567

395.0355,
440.3585, 471.3880

■ 1.1338, 1.7531,
1.7117

■ 0.0531, 0.4577,
0.3687

■ 73.5656, 85.5839,
90.4839

■ 73.5656, 85.5839,
90.4839

■ 66.1398, 81.8852,
84.3922

■ 82.1236, 89.8651,
96.8919

■ 59.7880, 78.7323,
78.6055

■ 91.7058, 94.6661,
103.6091

■ 54.4580, 76.1005,
73.1196

■ 92.5524, 95.0048,
108.0675

■ 50.0898, 73.9590,
67.9284

■ 46.6173, 72.2738,
63.0252

■ 43.9654, 71.0062,
58.4030

■ 42.0465, 70.1112,
54.0539

■ 40.7502, 69.5320,
49.9689

■ 40.3930, 69.3771,
48.6370

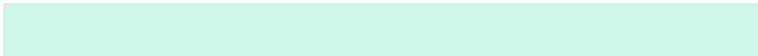
Harmonies

Analogous

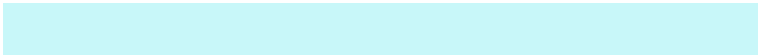
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.0283, 85.5839, 79.9855



73.5656, 85.5839, 90.4839



74.1290, 85.5839, 102.6408

Triad

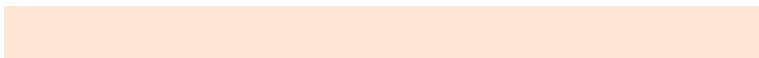
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.5656, 85.5839, 90.4839



84.5824, 85.5839, 116.1609



86.2877, 85.5839, 75.8138

Complementary

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



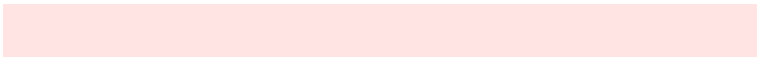
73.5656, 85.5839, 90.4839



73.2183, 69.0333, 76.4873

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.



89.0146, 85.5839, 84.3310



73.5656, 85.5839, 90.4839



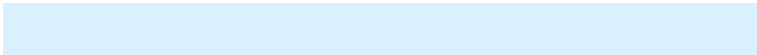
88.0065, 85.5839, 107.7650

Square

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



73.5656, 85.5839, 90.4839



80.3958, 85.5839, 118.1656



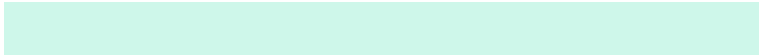
89.6542, 85.5839, 95.9420



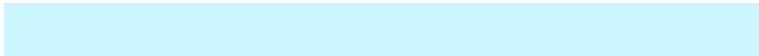
82.3015, 85.5839, 72.0015

Rectangle

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



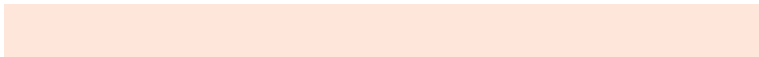
73.5656, 85.5839, 90.4839



75.5875, 85.5839, 109.9942



89.6542, 85.5839, 95.9420



87.3875, 85.5839, 78.1843

Sweetspot

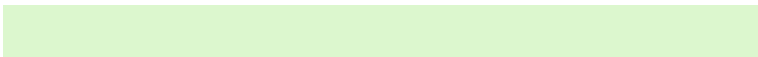
The Sweet Spot groups the original color and five complimentary colors.



73.5680, 85.5875, 90.4858



89.8696, 97.4038, 105.2951



73.8185, 86.1453, 71.1307



19.0854, 20.7731, 22.4305



0.0000, 0.0000, 0.0000



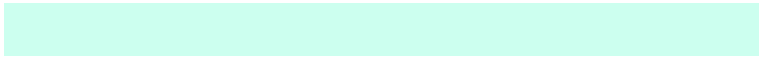
20.3446, 21.4041, 23.3091

Same Dimension

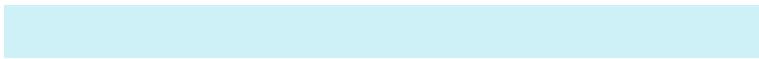
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.5680, 85.5875, 90.4858



76.2162, 90.5791, 94.9933



73.4540, 82.2589, 100.0061



16.7600, 18.6631, 20.0205



21.4288, 36.7164, 26.0758



1.9299, 3.2456, 2.5367

Inverse Universe

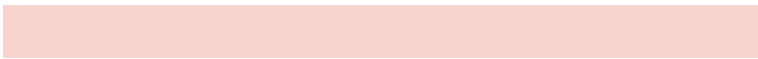
The Inverse Universe completely reimagines the original color for something new.



73.2183, 69.0333, 76.4873



75.7742, 69.6223, 77.2756



73.2534, 71.7373, 68.3795



16.7156, 16.5691, 18.2492



21.0765, 10.7740, 5.1111



1.8971, 0.9648, 0.6846

Previews

White Background



This preview shows how the XYZ color 73.5656, 85.5839, 90.4839 looks on a white background.

Color Contrast Check

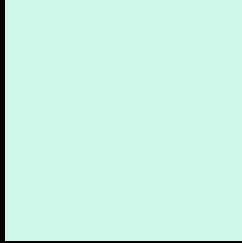
Large Text (above 18pt) WCAG AA × Fail

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 73.5656, 85.5839, 90.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

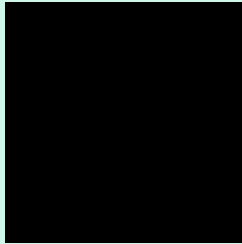
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

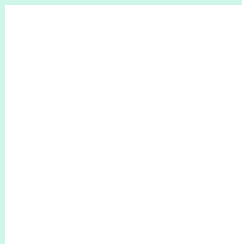
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.5656, 85.5839, 90.4839

Background



This preview shows how black text looks on a background with the XYZ color 73.5656, 85.5839, 90.4839.



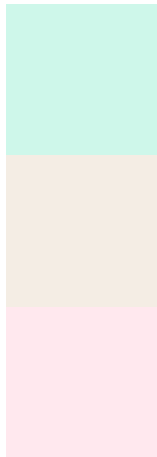
This preview shows how white text looks on a background with the XYZ color 73.5656, 85.5839,

90.4839.

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

73.5656, 85.5839, 90.4839

Protanopia

81.5960, 85.4029, 85.5826

Deuteranopia

85.5292, 85.1463, 92.8159



Tritanopia

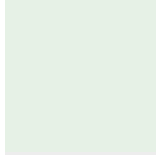
79.0205, 85.3462, 106.9164

Trichromacy



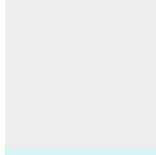
Original Color

73.5656, 85.5839, 90.4839



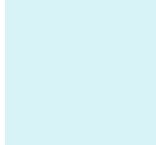
Protanomaly

78.3714, 85.4468, 87.2252



Deuteranomaly

80.4953, 84.6873, 92.2245



Tritanomaly

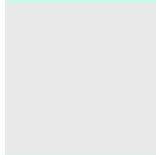
76.8634, 85.2637, 100.4021

Monochromacy



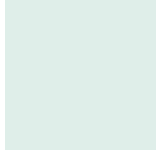
Original Color

73.5656, 85.5839, 90.4839



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.7139, 82.7202, 89.0668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.5656, 85.5839, 90.4839 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(206, 247, 234)` looks like.

```
.text, #text, p{  
    color:rgb(206, 247, 234)  
}
```

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(206, 247, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 247, 234) }
```

Border

The CSS property to change the border of an element to XYZ 73.5656, 85.5839, 90.4839 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(206, 247, 234) }
```


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

```
.border{ border-color:rgb(206, 247, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 247, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 247, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 247, 234);  
box-shadow:4px 4px 4px 4px rgb(206, 247,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 73.5656, 85.5839, 90.4839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 247, 234) }
```

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

```
.background{ background-color: rgb(206,  
247, 234) }
```

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