

# Converting Colors

XYZ(73.6947, 83.3410, 98.5057)

Have a look what the booklet for  
XYZ(73.6947, 83.3410, 98.5057)  
contains.

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# Color

**XYZ(73.6872, 83.2186,  
98.5653)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEF2F5
RGB	206, 242, 245
RGB Percent	81%, 95%, 96%
CMY	0.1921, 0.0510, 0.0392
CMYK	0.16, 0.01, 0.00, 0.04
HSL	185°, 66%, 88%
HSV	185°, 16%, 96%
XYZ	73.6872, 83.2186, 98.5653
YIQ	231.5780, -22.4190, -6.6990

# Conversions

## Conversions Part 2

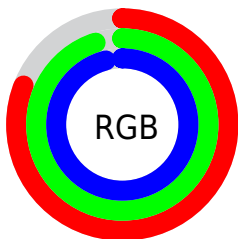
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 225, 245
Decimal	13562613
CIE Lab	93.11, -10.98, -5.35
CIE LCh	93, 12.211, 205.991
Yxy	83.2186, 0.2884, 0.3257
Android (android.graphics.Color)	4291752693 (0xFFCEF2F5)
YUV	231.5780, 6.6170, -22.4319
Hunter-Lab	91.2242, -15.4574, -0.2043

# Details

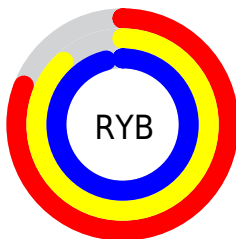
The XYZ color **73.6872, 83.2186, 98.5653** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.5980, 69.4698, 68.0296**, and the grayscale version is **76.3525, 80.3288, 87.4780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5067, 45.3712, 54.8194** is the 20% darker color. If you saturate the color by 10%, you get **66.8519, 78.8695, 98.0874**, and if you desaturate by 10%, it is **81.5933, 88.1327, 99.0985**.

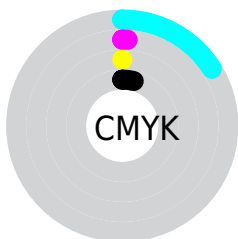
# Distribution



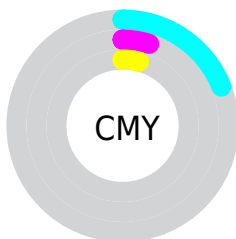
- Red (81%)
- Green (95%)
- Blue (96%)



- Red (81%)
- Yellow (88%)
- Blue (96%)



- Cyan (16%)
- Magenta (1%)
- Yellow (0%)
- Black (4%)



- Cyan (19%)
- Magenta (5%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6872, 83.2186, 98.5653 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 73.6872, 83.2186, 98.5653 by changing the saturation by 10% instead.



73.6872, 83.2186,  
98.5653

73.6872, 83.2186,  
98.5653

462.4601,  
505.7148, 576.7904

54.8284, 62.3705,  
74.4927

123.4502,  
137.8816, 161.2188

39.4977, 45.3321,  
54.6982

155.0851,  
172.4653, 200.6368

27.3296, 31.7191,  
38.7632

191.7094,  
212.3963, 246.0070

17.9588, 21.1471,  
26.2691

233.6886,  
258.0590, 297.7480

11.0199, 13.2315,  
16.7975

281.3879,  
309.8378, 356.2783

6.1476, 7.5882,  
9.9298

335.1726,

2.9766, 3.8326,

368.1171, 422.0164

5.2474

395.4083,  
433.2813, 495.3809

■ 1.1414, 1.5804,  
2.3319

■ 0.0593, 0.3443,  
0.7490

■ 73.6872, 83.2186,  
98.5653

■ 73.6872, 83.2186,  
98.5653

■ 66.8519, 78.8695,  
98.0874

■ 81.5933, 88.1327,  
99.0985

■ 61.0311, 75.0497,  
97.6569

■ 90.6076, 93.6245,  
99.6834

■ 56.1744, 71.7354,  
97.2732

■ 91.1825, 94.7742,  
99.8750

■ 52.2243, 68.8970,  
96.9335

■ 91.7632, 95.9356,  
100.0686

■ 49.1168, 66.5014,  
96.6349

■ 92.3497, 97.1086,  
100.2641

■ 46.7799, 64.5115,  
96.3740

■ 92.9420, 98.2934,  
100.4615

■ 45.1293, 62.8838,  
96.1468

■ 93.4817, 99.3727,  
100.6414

■ 44.0605, 61.5645,  
95.9485

■ 43.7257, 61.0806,  
95.8727

# Harmonies

## Analogous

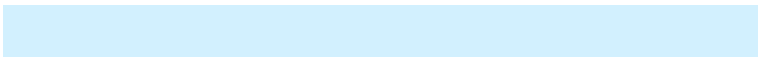
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.1087, 83.2186, 89.3830



73.6872, 83.2186, 98.5653



75.7006, 83.2186, 106.0384

# Triad

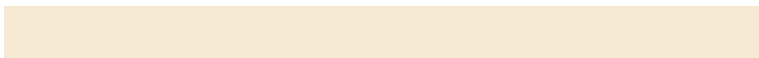
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6872, 83.2186, 98.5653



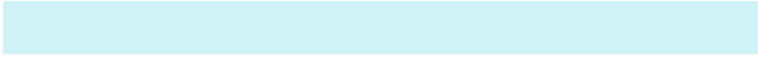
84.3146, 83.2186, 100.8424



79.5283, 83.2186, 74.1247

# Complementary

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



73.6872, 83.2186, 98.5653



71.5980, 69.4698, 68.0296

# 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.



82.5930, 83.2186, 76.7574



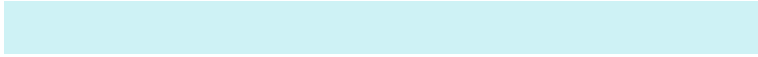
73.6872, 83.2186, 98.5653



85.4032, 83.2186, 91.8500

# Square

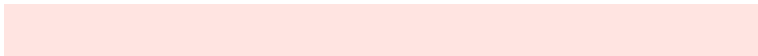
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.6872, 83.2186, 98.5653



81.8275, 83.2186, 107.4141



84.7648, 83.2186, 83.0964



76.4275, 83.2186, 75.6584

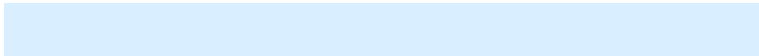


# Rectangle

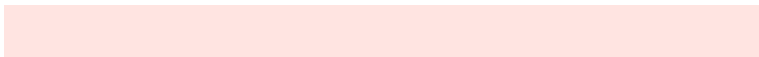
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



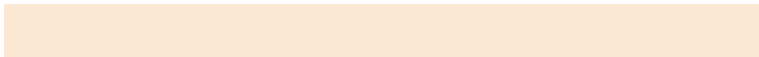
73.6872, 83.2186, 98.5653



77.6148, 83.2186, 108.8314



84.7648, 83.2186, 83.0964



80.5976, 83.2186, 74.5468

# Sweetspot

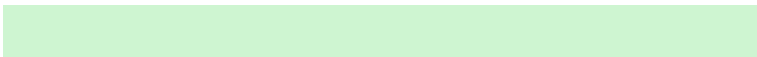
The Sweet Spot groups the original color and five complimentary colors.



73.6896, 83.2220, 98.5672



90.2021, 97.0380, 108.5838



69.5667, 83.0118, 72.4203



19.1664, 20.6838, 23.2321



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

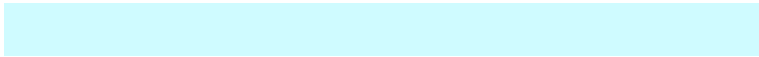


# Same Dimension

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



73.6896, 83.2220, 98.5672



78.2403, 89.5882, 107.7763



68.2976, 72.4380, 96.7698



16.8814, 18.5270, 21.2289



23.6020, 32.9979, 51.6633



2.1062, 2.9638, 4.5513



# Inverse Universe

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



75.7565, 69.9678, 93.5206



80.9002, 72.6504, 101.2549



76.5692, 79.4122, 69.6867



17.1555, 16.7450, 20.5652



27.7177, 13.4305, 40.0835

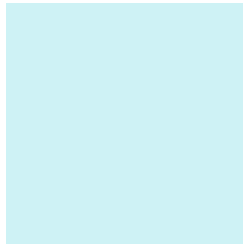


2.4522, 1.1868, 3.6075



# Previews

## White Background



This preview shows how the XYZ color 73.6872, 83.2186, 98.5653 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

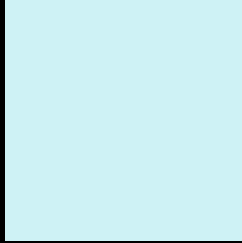
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6872, 83.2186, 98.5653 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

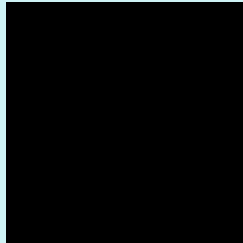
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 73.6872, 83.2186, 98.5653**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6872, 83.2186, 98.5653.



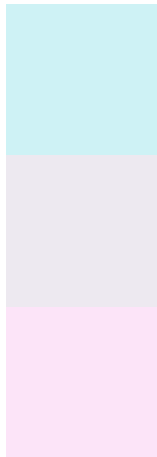
This preview shows how white text looks on a background with the XYZ color 73.6872, 83.2186,



# 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

73.6872, 83.2186, 98.5653

### Protanopia

79.7921, 82.5736, 94.1709

### Deuteranopia

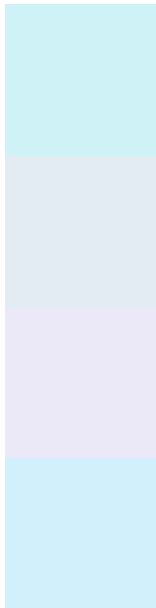
84.8316, 82.9596, 100.3486



## Tritanopia

76.3571, 83.0991, 106.6230

# Trichromacy



**Original Color**

73.6872, 83.2186, 98.5653

**Protanomaly**

77.3865, 82.5705, 95.8634

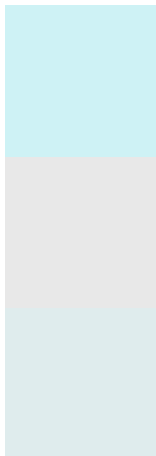
**Deuteranomaly**

80.1884, 82.6554, 99.7234

**Tritanomaly**

75.1510, 82.9868, 103.3240

# Monochromacy



**Original Color**

73.6872, 83.2186, 98.5653

**Achromatopsia**

76.7008, 80.6952, 87.8771

**Achromatomaly**

75.7129, 81.7933, 91.9180

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6872, 83.2186, 98.5653 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, 242, 245)` looks like.

```
.text, #text, p{  
    color:rgb(206, 242, 245)  
}
```

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, 242, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 242, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6872, 83.2186, 98.5653 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, 242, 245) }
```



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

```
.border{ border-color:rgb(206, 242, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 242, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 242, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 242, 245);  
box-shadow:4px 4px 4px 4px rgb(206, 242,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6872, 83.2186, 98.5653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 242, 245) }
```

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

```
.background{ background-color: rgb(206,  
242, 245) }
```

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](#).

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