

# Converting Colors

XYZ(72.3603, 82.1810, 94.4868)

Have a look what the booklet for  
XYZ(72.3603, 82.1810, 94.4868)  
contains.

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# Color

**XYZ(72.3603, 82.1810,  
94.4868)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDF1F0
RGB	205, 241, 240
RGB Percent	80%, 95%, 94%
CMY	0.1961, 0.0549, 0.0588
CMYK	0.15, 0.00, 0.00, 0.05
HSL	178°, 56%, 87%
HSV	178°, 15%, 95%
XYZ	72.3603, 82.1810, 94.4868
YIQ	230.1220, -21.1350, -7.9430

# Conversions

## Conversions Part 2

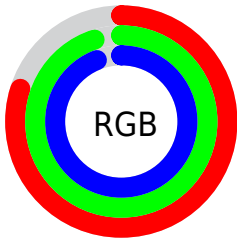
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 223, 241
Decimal	13496816
CIE Lab	92.65, -11.79, -3.43
CIE LCh	93, 12.276, 196.226
Yxy	82.1810, 0.2906, 0.3300
Android (android.graphics.Color)	4291686896 (0xFFCDF1F0)
YUV	230.1220, 4.8699, -22.0320
Hunter-Lab	90.6537, -16.1644, 1.6607

# Details

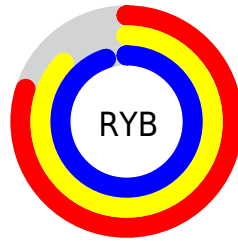
The XYZ color **72.3603, 82.1810, 94.4868** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.2505, 66.8219, 67.6441**, and the grayscale version is **75.2823, 79.2028, 86.2519**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.5784, 44.6426, 51.9310** is the 20% darker color. If you saturate the color by 10%, you get **66.1186, 78.9770, 93.6765**, and if you desaturate by 10%, it is **79.6311, 85.9199, 95.3507**.

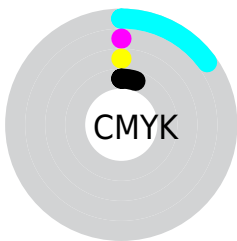
# Distribution



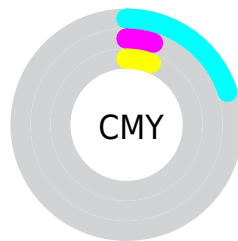
- Red (80%)
- Green (95%)
- Blue (94%)



- Red (80%)
- Yellow (87%)
- Blue (95%)



- Cyan (15%)
- Magenta (0%)
- Yellow (0%)
- Black (5%)



- Cyan (20%)
- Magenta (5%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.3603, 82.1810, 94.4868 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 72.3603, 82.1810, 94.4868 by changing the saturation by 10% instead.



72.3603, 82.1810,  
94.4868

72.3603, 82.1810,  
94.4868

457.9329,  
502.2529, 563.4630

53.7396, 61.5147,  
71.1134

121.5767,  
136.4278, 155.5449

38.6233, 44.6407,  
51.9523

152.9030,  
170.7771, 194.0666

26.6462, 31.1745,  
36.5851

189.1953,  
210.4563, 238.4749

17.4429, 20.7318,  
24.5932

230.8189,  
255.8496, 289.1882

10.6480, 12.9281,  
15.5579

278.1390,  
307.3415, 346.6252

5.8962, 7.3790,  
9.0609

331.5212,

2.8221, 3.7003,

365.3165, 411.2043

4.6836

391.3307,  
430.1588, 483.3440

■ 1.0604, 1.5073,  
2.0074

■ 0.0000, 0.2939,  
0.5598

■ 72.3603, 82.1810,  
94.4868

■ 72.3603, 82.1810,  
94.4868

■ 66.1186, 78.9770,  
93.6765

■ 79.6311, 85.9199,  
95.3507

■ 60.8522, 76.2735,  
92.9120


■ 87.9676, 90.2059,  
96.2646


■ 56.5131, 74.0481,  
92.1928


■ 88.7263, 90.5854,  
96.8259


■ 53.0465, 72.2724,  
91.5164


■ 88.8274, 90.6258,  
97.3583


 50.3918, 70.9151,  
90.8799

 88.9289, 90.6664,  
97.8927


 48.4807, 69.9412,  
90.2801


 89.0307, 90.7072,  
98.4290


 47.2336, 69.3096,  
89.7133

 89.1330, 90.7481,  
98.9673

 46.5529, 68.9699,  
89.1749

 89.2356, 90.7891,  
99.5075

 46.3496, 68.8707,  
88.9098

 89.3385, 90.8303,  
100.0497

# Harmonies

## Analogous

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



72.2957, 82.1810, 85.3578



72.3603, 82.1810, 94.4868



73.9379, 82.1810, 102.7931

# Triad

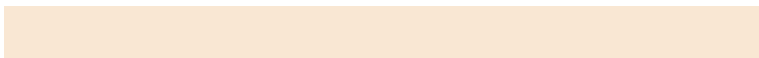
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



72.3603, 82.1810, 94.4868



82.6301, 82.1810, 102.2107



79.5822, 82.1810, 73.4608

# Complementary

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



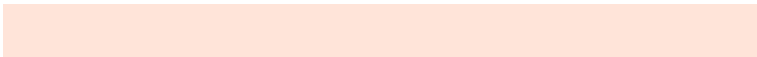
72.3603, 82.1810, 94.4868



69.2505, 66.8219, 67.6441

# 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.



82.4373, 82.1810, 77.3711



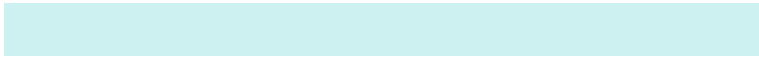
72.3603, 82.1810, 94.4868



84.2292, 82.1810, 93.7351

# Square

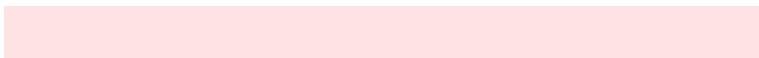
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3603, 82.1810, 94.4868



79.8394, 82.1810, 107.4560



84.1577, 82.1810, 84.6555



76.4069, 82.1810, 73.6317

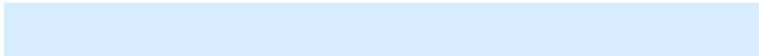


# Rectangle

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



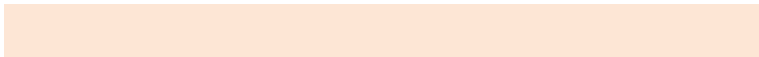
72.3603, 82.1810, 94.4868



75.6605, 82.1810, 106.5635



84.1577, 82.1810, 84.6555



80.6129, 82.1810, 74.3294

# Sweetspot

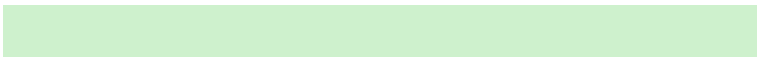
The Sweet Spot groups the original color and five complimentary colors.



72.3627, 82.1844, 94.4886



91.3507, 98.0982, 108.4881



67.9863, 80.4723, 69.7084



19.4086, 20.9229, 23.2046



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

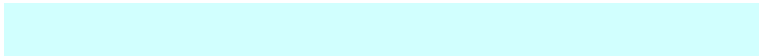


# Same Dimension

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



72.3627, 82.1844, 94.4886



79.9275, 92.2278, 107.1208



67.7658, 72.7515, 93.6939



16.2272, 17.9209, 20.2195



25.1420, 37.3488, 48.2582



2.0976, 3.1095, 4.0461



# Inverse Universe

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



69.2505, 66.8219, 67.6441



75.7452, 71.5821, 71.0453



73.3662, 75.2478, 68.4165



15.7907, 15.7660, 16.4538



19.6995, 10.1522, 1.0682

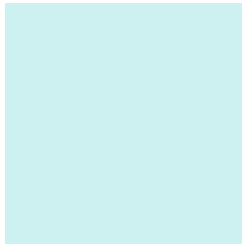


1.6450, 0.8471, 0.1217



# Previews

## White Background



This preview shows how the XYZ color 72.3603, 82.1810, 94.4868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

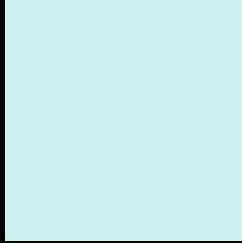
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.3603, 82.1810, 94.4868 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

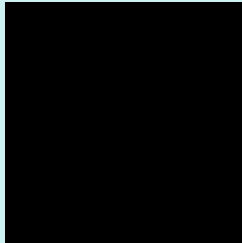
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

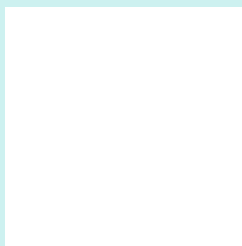
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 72.3603, 82.1810, 94.4868**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.3603, 82.1810, 94.4868.



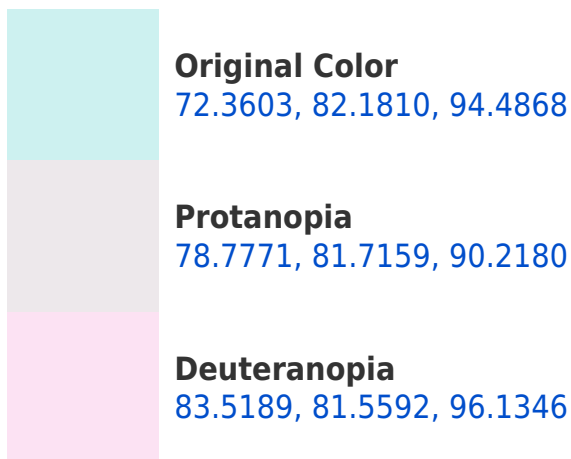
This preview shows how white text looks on a background with the XYZ color 72.3603, 82.1810,



# 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

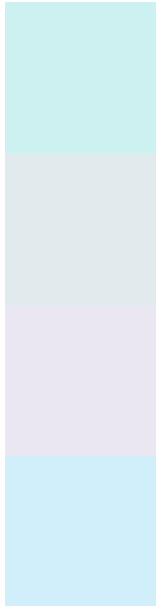




## Tritanopia

75.4885, 82.2180, 106.4987

# Trichromacy



## Original Color

72.3603, 82.1810, 94.4868

## Protanomaly

76.0457, 81.5386, 91.8513

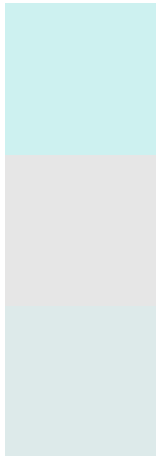
## Deuteranomaly

78.8639, 81.2248, 95.5258

## Tritanomaly

74.4163, 82.1904, 102.3847

# Monochromacy



## Original Color

72.3603, 82.1810, 94.4868

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.0929, 80.1583, 89.4089

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.3603, 82.1810, 94.4868 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(205, 241, 240)` looks like.

```
.text, #text, p{  
    color:rgb(205, 241, 240)  
}
```

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(205, 241, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 241, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 72.3603, 82.1810, 94.4868 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(205, 241, 240) }
```



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

```
.border{ border-color:rgb(205, 241, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 241, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 241, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 241, 240);  
box-shadow:4px 4px 4px 4px rgb(205, 241,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.3603, 82.1810, 94.4868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 241, 240) }
```

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

```
.background{ background-color: rgb(205,  
241, 240) }
```

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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