

# Converting Colors

XYZ(76.6604, 85.2715,  
101.4754)

Have a look what the booklet for  
XYZ(76.6604, 85.2715, 101.4754)  
contains.

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# Color

**XYZ(76.4344, 85.0246,  
101.1898)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D5F3F8
RGB	213, 243, 248
RGB Percent	84%, 95%, 97%
CMY	0.1647, 0.0470, 0.0274
CMYK	0.14, 0.02, 0.00, 0.03
HSL	189°, 71%, 90%
HSV	189°, 14%, 97%
XYZ	76.4344, 85.0246, 101.1898
YIQ	234.6000, -19.4850, -4.8050

# Conversions

## Conversions Part 2

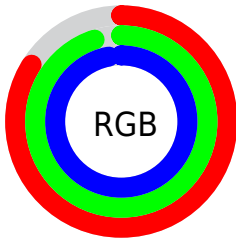
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	213, 229, 248
Decimal	14021624
CIE Lab	93.89, -8.71, -5.70
CIE LCh	94, 10.415, 213.197
Yxy	85.0246, 0.2910, 0.3237
Android (android.graphics.Color)	4292211704 (0xFFD5F3F8)
YUV	234.6000, 6.6062, -18.9432
Hunter-Lab	92.2088, -13.4018, -0.5186

# Details

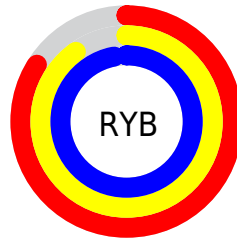
The XYZ color **76.4344, 85.0246, 101.1898** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7936, 74.9031, 73.4152**, and the grayscale version is **78.6256, 82.7202, 90.0823**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.3853, 46.6155, 56.6856** is the 20% darker color. If you saturate the color by 10%, you get **68.7351, 79.4999, 100.5306**, and if you desaturate by 10%, it is **85.2591, 91.1643, 101.9111**.

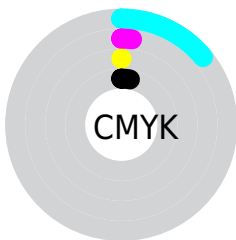
# Distribution



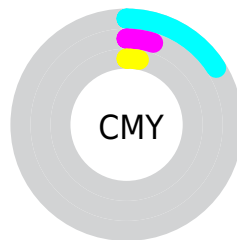
- Red (84%)
- Green (95%)
- Blue (97%)



- Red (84%)
- Yellow (90%)
- Blue (97%)



- Cyan (14%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (16%)
- Magenta (5%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.4344, 85.0246, 101.1898 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 76.4344, 85.0246, 101.1898 by changing the saturation by 10% instead.



76.4344, 85.0246,  
101.1898

76.4344, 85.0246,  
101.1898

471.7550,  
511.7095, 585.2798

57.0871, 63.8617,  
76.6722

127.3179,  
140.4075, 164.8574

41.3156, 46.5387,  
56.4739

159.5847,  
175.3964, 204.8444

28.7545, 32.6711,  
40.1764

196.8888,  
215.7627, 250.8250

19.0385, 21.8746,  
27.3613

239.5954,  
261.8908, 303.2176

11.8023, 13.7648,  
17.6099

288.0700,  
314.1651, 362.4409

6.6804, 7.9573,  
10.5038

342.6779,

3.3076, 4.0676,

372.9701, 428.9133

5.6243

403.7845,  
438.6901, 503.0534

■ 1.3184, 1.7115,  
2.5529

■ 0.1970, 0.4311,  
0.8680

■ 76.4344, 85.0246,  
101.1898

■ 76.4344, 85.0246,  
101.1898

■ 68.7351, 79.4999,  
100.5306

■ 85.2591, 91.1643,  
101.9111

■ 62.1038, 74.5537,  
99.9254

■ 92.3959, 96.4621,  
102.5576

■ 56.4893, 70.1617,  
99.3735

■ 93.5069, 98.6842,  
102.9279

■ 51.8331, 66.2934,  
98.8723

■ 93.9435, 99.5574,  
103.0734

■ 48.0706, 62.9156,  
98.4186

■ 45.1292, 59.9905,  
98.0091

■ 42.9245, 57.4746,  
97.6396

■ 41.3535, 55.3144,  
97.3055

■ 40.6365, 54.1634,  
97.1211

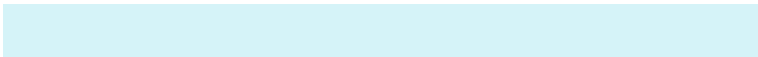
# Harmonies

## Analogous

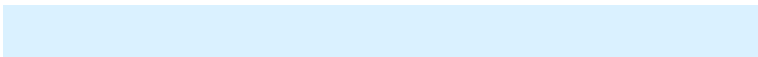
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.6072, 85.0246, 93.4313



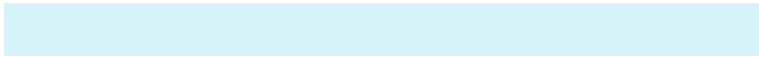
76.4344, 85.0246, 101.1898



78.4334, 85.0246, 106.8826

# Triad

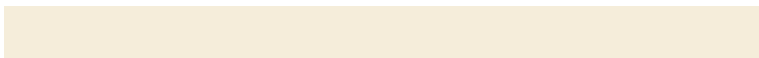
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.4344, 85.0246, 101.1898



85.6651, 85.0246, 99.6332



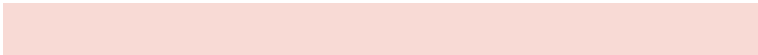
80.5164, 85.0246, 78.1563

# Complementary

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



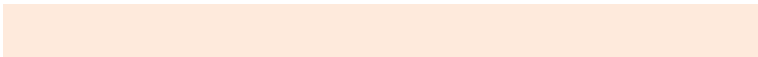
76.4344, 85.0246, 101.1898



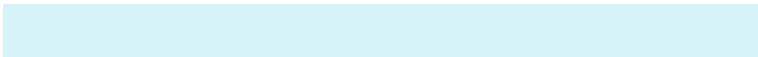
75.7936, 74.9031, 73.4152

# 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.



83.2409, 85.0246, 79.6091



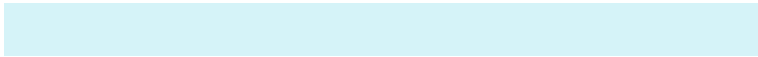
76.4344, 85.0246, 101.1898



86.2532, 85.0246, 91.7286

# Square

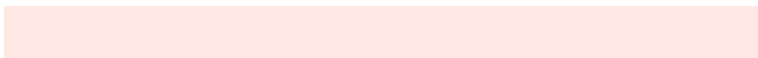
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4344, 85.0246, 101.1898



83.7671, 85.0246, 105.9484



85.3564, 85.0246, 84.4680



77.9298, 85.0246, 80.3814

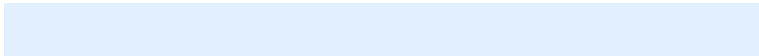


# Rectangle

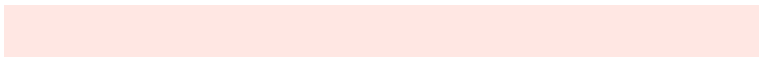
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



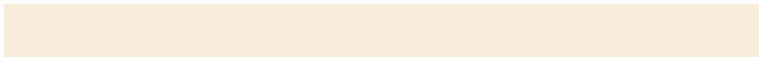
76.4344, 85.0246, 101.1898



80.1835, 85.0246, 108.5783



85.3564, 85.0246, 84.4680



81.4464, 85.0246, 78.2311

# Sweetspot

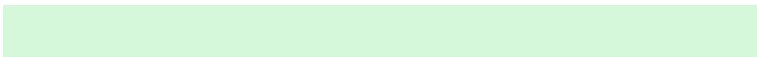
The Sweet Spot groups the original color and five complimentary colors.



76.4369, 85.0281, 101.1917



90.9337, 97.1910, 108.5748



73.6207, 86.3269, 78.8852



19.3026, 20.6924, 23.2266



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

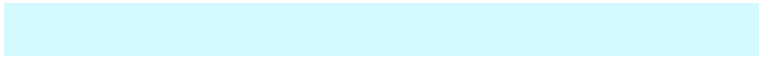


# Same Dimension

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



76.4369, 85.0281, 101.1917



78.9180, 88.7999, 107.5884



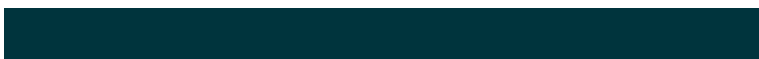
71.5363, 75.2271, 99.5582



17.5422, 19.1613, 22.1592



22.0311, 29.4177, 52.4906



2.0965, 2.8366, 4.8802



# Inverse Universe

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



78.6852, 74.0177, 94.9378



81.7655, 74.9999, 99.6353



80.4791, 84.2742, 74.9771



17.8802, 17.4794, 21.2250



27.4123, 13.3806, 35.2092

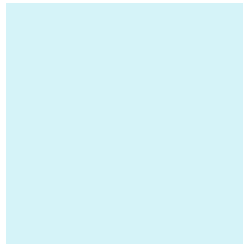


2.5671, 1.2506, 3.4099



# Previews

## White Background



This preview shows how the XYZ color 76.4344, 85.0246, 101.1898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

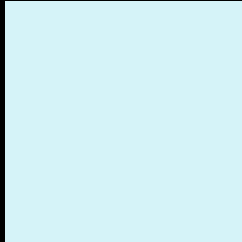
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.4344, 85.0246, 101.1898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

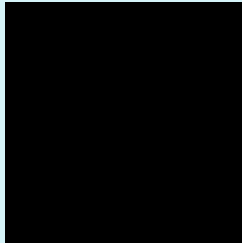
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 76.4344, 85.0246, 101.1898**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.4344, 85.0246, 101.1898.



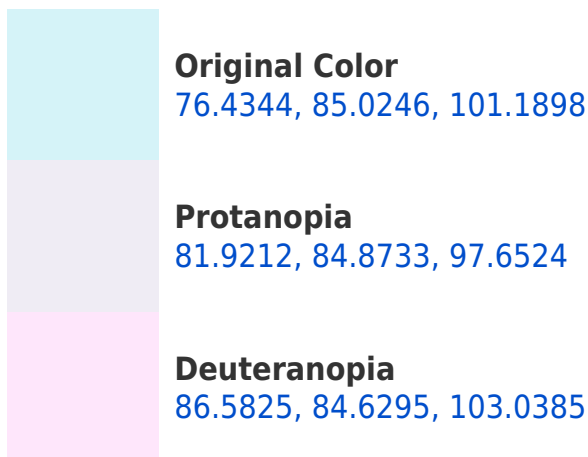
This preview shows how white text looks on a background with the XYZ color 76.4344, 85.0246,



# 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

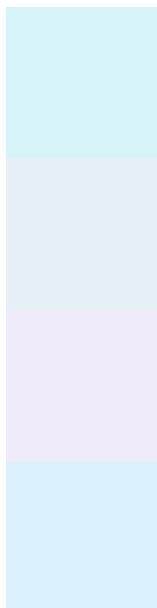




## Tritanopia

79.0289, 84.9123, 106.8322

# Trichromacy



## Original Color

76.4344, 85.0246, 101.1898

## Protanomaly

79.9811, 85.1486, 98.6061

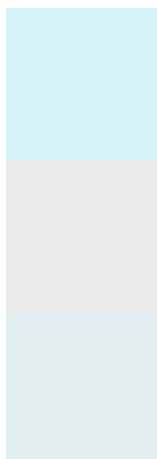
## Deuteranomaly

82.5603, 84.6695, 102.4339

## Tritanomaly

77.9394, 84.8443, 104.3642

# Monochromacy



## Original Color

76.4344, 85.0246, 101.1898

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.9813, 83.7712, 94.4975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.4344, 85.0246, 101.1898 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(213, 243, 248)` looks like.

```
.text, #text, p{  
    color:rgb(213, 243, 248)  
}
```

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(213, 243, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 243, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 76.4344, 85.0246, 101.1898 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(213, 243, 248) }
```



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

```
.border{ border-color:rgb(213, 243, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 243, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 243, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 243, 248);  
box-shadow:4px 4px 4px 4px rgb(213, 243,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.4344, 85.0246, 101.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 243, 248) }
```

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

```
.background{ background-color: rgb(213,  
243, 248) }
```

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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