

# Converting Colors

XYZ(76.1886, 85.3388, 96.5126)

Have a look what the booklet for  
XYZ(76.1886, 85.3388, 96.5126)  
contains.

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# Color

**XYZ(76.1093, 85.4083,  
96.4785)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D6F4F2
RGB	214, 244, 242
RGB Percent	84%, 96%, 95%
CMY	0.1608, 0.0431, 0.0510
CMYK	0.12, 0.00, 0.01, 0.04
HSL	176°, 58%, 90%
HSV	176°, 12%, 96%
XYZ	76.1093, 85.4083, 96.4785
YIQ	234.8020, -17.2380, -6.9820

# Conversions

## Conversions Part 2

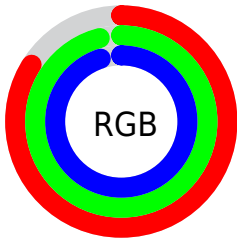
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	214, 230, 244
Decimal	14087410
CIE Lab	94.06, -10.09, -2.34
CIE LCh	94, 10.354, 193.063
Yxy	85.4083, 0.2950, 0.3310
Android (android.graphics.Color)	4292277490 (0xFFD6F4F2)
YUV	234.8020, 3.5486, -18.2434
Hunter-Lab	92.4166, -14.7262, 2.7957

# Details

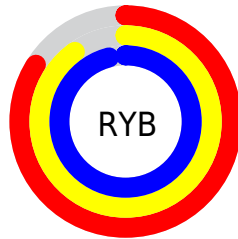
The XYZ color **76.1093, 85.4083, 96.4785** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.7526, 72.2865, 75.0352**, and the grayscale version is **78.8003, 82.9041, 90.2826**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1442, 46.8825, 53.3351** is the 20% darker color. If you saturate the color by 10%, you get **69.2717, 81.9138, 94.8884**, and if you desaturate by 10%, it is **84.0207, 89.4607, 98.1338**.

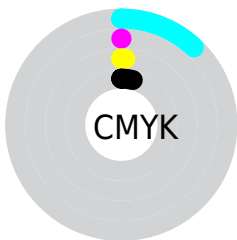
# Distribution



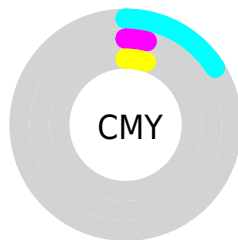
- Red (84%)
- Green (96%)
- Blue (95%)



- Red (84%)
- Yellow (90%)
- Blue (96%)



- Cyan (12%)
- Magenta (0%)
- Yellow (1%)
- Black (4%)



- Cyan (16%)
- Magenta (4%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1093, 85.4083, 96.4785 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 76.1093, 85.4083, 96.4785 by changing the saturation by 10% instead.



76.1093, 85.4083,  
96.4785

76.1093, 85.4083,  
96.4785

470.6604,  
512.9781, 569.9923

56.8195, 64.1788,  
72.7625

126.8609,  
140.9435, 158.3187

41.0999, 46.7955,  
53.2911

159.0535,  
176.0180, 197.2800

28.5852, 32.8740,  
37.6459

196.2777,  
216.4762, 242.1602

18.9099, 22.0300,  
25.4083

238.8988,  
262.7027, 293.3777

11.7088, 13.8789,  
16.1597

287.2823,  
315.0817, 351.3511

6.6165, 8.0365,  
9.4817

341.7935,

3.2676, 4.1183,

373.9977, 416.4990

4.9556

402.7978,  
439.8350, 489.2399

■ 1.2968, 1.7400,  
2.1629

■ 0.1808, 0.4493,  
0.6529

■ 76.1093, 85.4083,  
96.4785

■ 76.1093, 85.4083,  
96.4785

■ 69.2717, 81.9138,  
94.8884

■ 84.0207, 89.4607,  
98.1338

■ 63.4532, 78.9422,  
93.3556

■ 90.1135, 92.5730,  
99.7136

■ 58.6056, 76.4708,  
91.8795

■ 90.3637, 92.6731,  
101.0315

■ 54.6735, 74.4712,  
90.4576

■ 90.6162, 92.7740,  
102.3609

■ 51.5963, 72.9120,  
89.0869

■ 90.8708, 92.8759,  
103.7019

■ 49.3059, 71.7581,  
87.7643

■ 91.1277, 92.9786,  
105.0545

■ 47.7237, 70.9691,  
86.4860

■ 91.3868, 93.0823,  
106.4188

■ 46.7552, 70.4962,  
85.2477

■ 91.6422, 93.1845,  
107.7641

■ 46.3159, 70.2899,  
84.3156

# Harmonies

## Analogous

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



76.1984, 85.4083, 88.6303



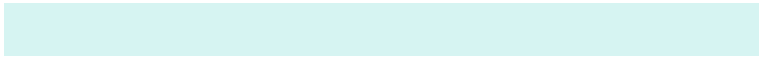
76.1093, 85.4083, 96.4785



77.3560, 85.4083, 103.7818

# Triad

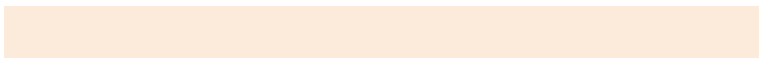
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.1093, 85.4083, 96.4785



84.8619, 85.4083, 104.5668



82.7365, 85.4083, 79.1790

# Complementary

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



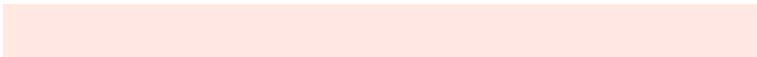
76.1093, 85.4083, 96.4785



73.7526, 72.2865, 75.0352

# 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.



85.1239, 85.4083, 82.9830



76.1093, 85.4083, 96.4785



86.3700, 85.4083, 97.5010

# Square

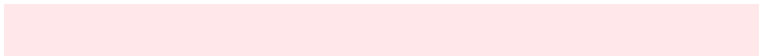
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1093, 85.4083, 96.4785



82.3854, 85.4083, 108.6269



86.4669, 85.4083, 89.5966



79.9825, 85.4083, 78.9399

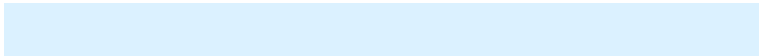


# Rectangle

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



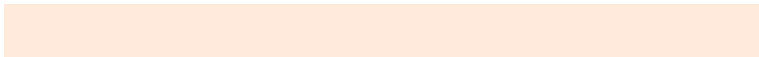
76.1093, 85.4083, 96.4785



78.7937, 85.4083, 107.2378



86.4669, 85.4083, 89.5966



83.6100, 85.4083, 80.0729

# Sweetspot

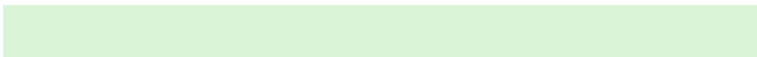
The Sweet Spot groups the original color and five complimentary colors.



76.1117, 85.4119, 96.4804



91.2870, 98.0727, 108.1525



72.9578, 84.2352, 76.0336



19.3924, 20.9165, 23.1193



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.



76.1117, 85.4119, 96.4804



81.9425, 93.2900, 106.1543



72.7793, 78.2628, 96.8624



16.9461, 18.7376, 21.0006



25.2032, 38.2261, 45.9515



2.2293, 3.3654, 4.1131



# Inverse Universe

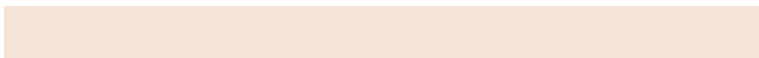
The Inverse Universe completely reimagines the original color for something new.



73.7526, 72.2865, 75.0352



78.8147, 75.8874, 77.7217



76.7814, 78.7561, 74.7745



16.5440, 16.5005, 17.3453



20.3552, 10.4855, 1.3128

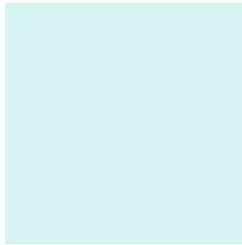


1.8044, 0.9277, 0.1964



# Previews

## White Background



This preview shows how the XYZ color 76.1093, 85.4083, 96.4785 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

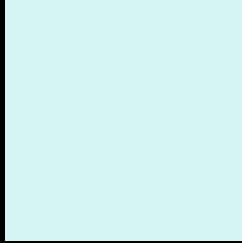
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.1093, 85.4083, 96.4785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

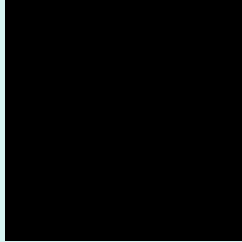
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

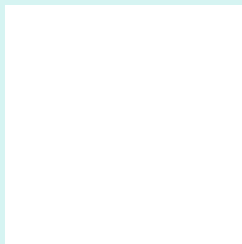
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.1093, 85.4083, 96.4785

## Background



This preview shows how black text looks on a background with the XYZ color 76.1093, 85.4083, 96.4785.



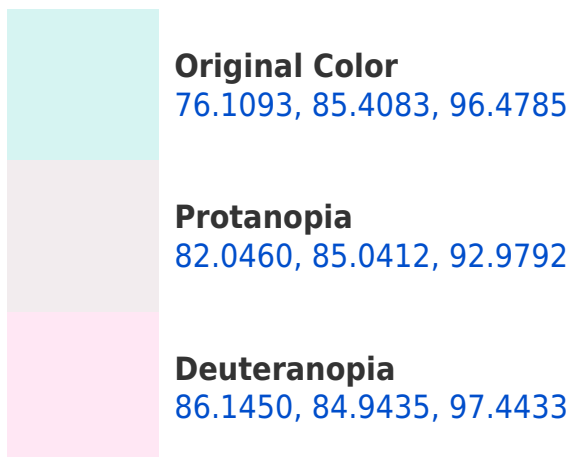
This preview shows how white text looks on a background with the XYZ color 76.1093, 85.4083,

96.4785.

# 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

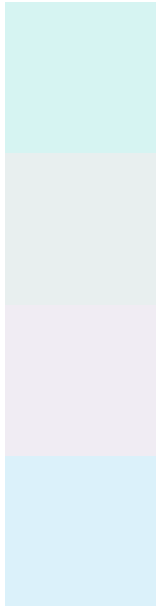




## **Tritanopia**

79.3343, 85.0698, 106.8465

# Trichromacy



## Original Color

76.1093, 85.4083, 96.4785

## Protanomaly

79.7252, 85.1208, 93.8893

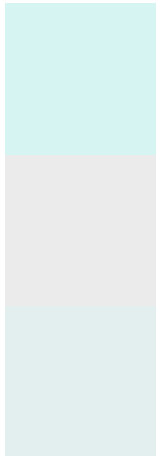
## Deuteranomaly

82.1083, 84.9872, 96.8706

## Tritanomaly

77.9240, 84.8728, 102.7175

# Monochromacy



## Original Color

76.1093, 85.4083, 96.4785

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

77.6857, 83.6530, 92.9411

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.1093, 85.4083, 96.4785 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(214, 244, 242) looks like.

```
.text, #text, p{  
    color:rgb(214, 244, 242)  
}
```

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(214, 244, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 244, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 76.1093, 85.4083, 96.4785 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(214, 244, 242) }
```



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

```
.border{ border-color:rgb(214, 244, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 244, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 244, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 244, 242);  
box-shadow:4px 4px 4px 4px rgb(214, 244,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.1093, 85.4083, 96.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 244, 242) }
```

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

```
.background{ background-color: rgb(214,  
244, 242) }
```

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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