

# Converting Colors

XYZ(88.4155, 87.8435,  
155.1117)

Have a look what the booklet for  
XYZ(88.4155, 87.8435, 155.1117)  
contains.

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# **Color**

**XYZ(79.0560, 84.0570,  
106.6657)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEEFF
RGB	223, 238, 255
RGB Percent	87%, 93%, 100%
CMY	0.1255, 0.0666, 0.0000
CMYK	0.13, 0.07, 0.00, 0.00
HSL	212°, 100%, 94%
HSV	212°, 13%, 100%
XYZ	79.0560, 84.0570, 106.6657
YIQ	235.4530, -14.3970, 2.1070

# Conversions

## Conversions Part 2

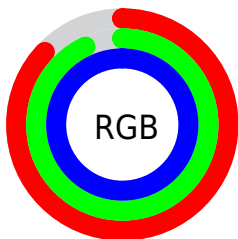
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 233, 255
Decimal	14675711
CIE Lab	93.48, -1.65, -9.88
CIE LCh	93, 10.020, 260.493
Yxy	84.0570, 0.2930, 0.3116
Android (android.graphics.Color)	4292865791 (0xFFDFEEFF)
YUV	235.4530, 9.6367, -10.9213
Hunter-Lab	91.6826, -6.5277, -4.8016

# Details

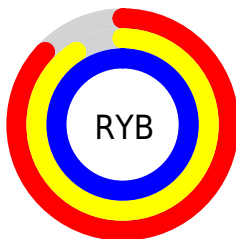
The XYZ color **79.0560, 84.0570, 106.6657** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.7190, 88.9065, 82.4566**, and the grayscale version is **79.2494, 83.3766, 90.7971**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.0694, 45.8579, 60.0075** is the 20% darker color. If you saturate the color by 10%, you get **67.9875, 72.7178, 105.0604**, and if you desaturate by 10%, it is **91.6088, 96.6063, 108.4263**.

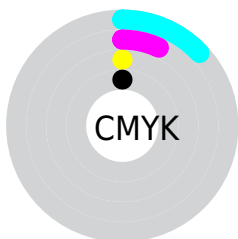
# Distribution



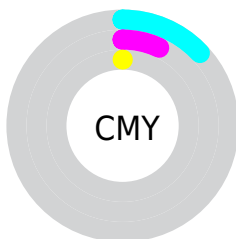
- Red (87%)
- Green (93%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- Blue (100%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.0560, 84.0570, 106.6657 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 79.0560, 84.0570, 106.6657 by changing the saturation by 10% instead.



79.0560, 84.0570,  
106.6657

79.0560, 84.0570,  
106.6657

480.5309,  
508.5025, 602.7869

59.2476, 63.0625,  
81.2311

130.9952,  
139.0549, 172.4191

43.0596, 45.8918,  
60.1998

163.8568,  
173.8271, 213.5750

30.1266, 32.1604,  
43.1534

201.8001,  
213.9607, 260.8084

20.0833, 21.4841,  
29.6732

245.1906,  
259.8399, 314.5378

12.5642, 13.4783,  
19.3407

294.3935,  
311.8494, 375.1819

7.2041, 7.7587,  
11.7374

349.7743,

3.6375, 3.9409,

370.3734, 443.1590

6.4448

411.6983,  
435.7963, 518.8878

■ 1.4992, 1.6406,  
3.0442

■ 0.3253, 0.3847,  
1.1173

■ 79.0560, 84.0570,  
106.6657

■ 79.0560, 84.0570,  
106.6657

■ 67.9875, 72.7178,  
105.0604

■ 91.6088, 96.6063,  
108.4263

■ 58.3375, 62.5384,  
103.6041

95.0500, 100.0000,  
108.9000

■ 50.0447, 53.4794,  
102.2927

■ 43.0406, 45.4953,  
101.1207

■ 37.2500, 38.5365,  
100.0827

■ 32.5893, 32.5488,  
99.1726

■ 28.9626, 27.4710,  
98.3837

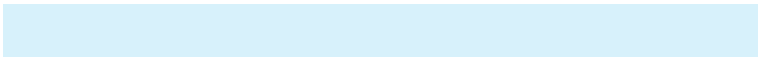
■ 26.2553, 23.2318,  
97.7081

■ 24.7138, 20.5476,  
97.2713

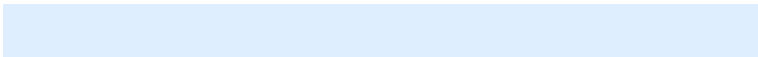
# Harmonies

## Analogous

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



76.6994, 84.0570, 103.2371



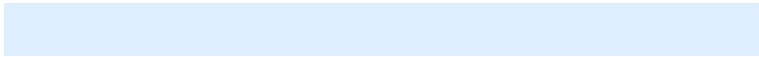
79.0560, 84.0570, 106.6657



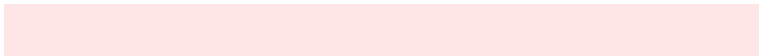
81.6888, 84.0570, 105.8678

# Triad

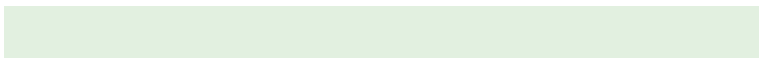
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.0560, 84.0570, 106.6657



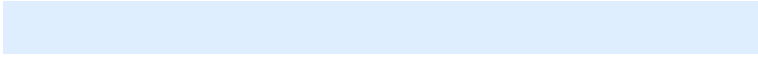
84.7566, 84.0570, 86.5149



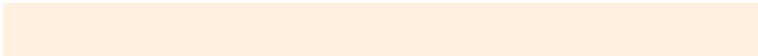
76.0307, 84.0570, 82.5605

# Complementary

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



79.0560, 84.0570, 106.6657



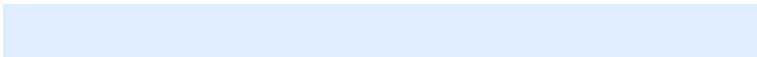
85.7190, 88.9065, 82.4566

# Split Complementary

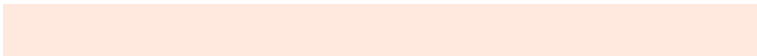
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.1250, 84.0570, 78.5377



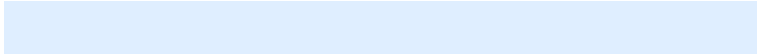
79.0560, 84.0570, 106.6657



83.1754, 84.0570, 80.7318

# Square

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



79.0560, 84.0570, 106.6657



85.0192, 84.0570, 93.9524



80.7372, 84.0570, 77.8873

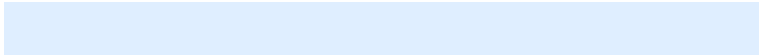


74.9783, 84.0570, 89.1374



# Rectangle

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



79.0560, 84.0570, 106.6657



83.2444, 84.0570, 103.0623



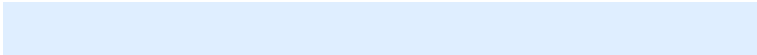
80.7372, 84.0570, 77.8873



76.6340, 84.0570, 80.8803

# Sweetspot

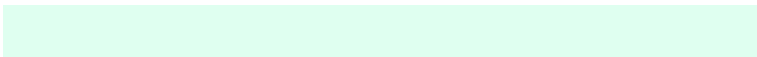
The Sweet Spot groups the original color and five complimentary colors.



79.0582, 84.0604, 106.6662



89.6924, 94.7085, 108.1610



81.8513, 93.4720, 95.8039



18.9881, 20.0633, 23.1218



0.0000, 0.0000, 0.0000

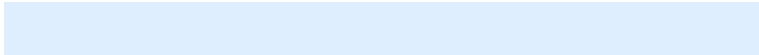


20.3446, 21.4041, 23.3091

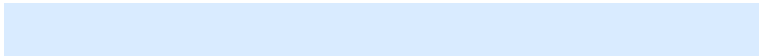


# Same Dimension

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



79.0582, 84.0604, 106.6662



76.2090, 81.1694, 106.2584



75.0351, 75.7699, 105.2780



17.7052, 18.7820, 22.9421



13.0600, 11.0295, 50.8752



1.3798, 1.2903, 4.9896



# Inverse Universe

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



83.0617, 80.2101, 91.9971



80.9382, 76.7368, 88.9040



90.1237, 98.0068, 83.9810



18.3639, 18.1289, 20.5332



23.3803, 11.8414, 10.6529

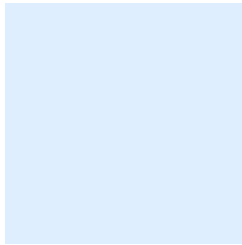


2.3311, 1.1748, 1.3249



# Previews

## White Background



This preview shows how the XYZ color 79.0560, 84.0570, 106.6657 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

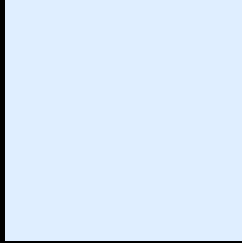
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.0560, 84.0570, 106.6657 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

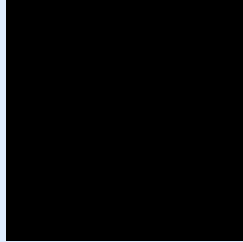
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

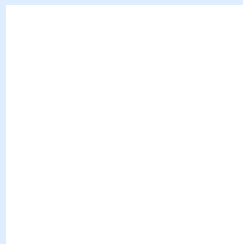
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.0560, 84.0570, 106.6657

## Background



This preview shows how black text looks on a background with the XYZ color 79.0560, 84.0570, 106.6657.



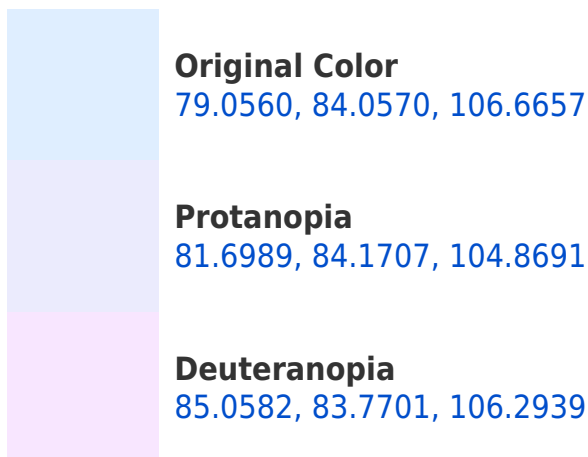
This preview shows how white text looks on a background with the XYZ color 79.0560, 84.0570,

106.6657.

# 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

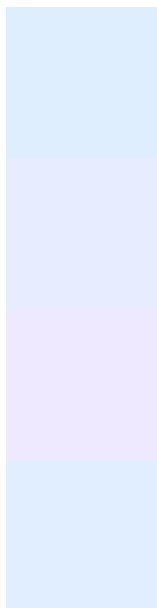




## Tritanopia

79.3650, 84.2164, 106.6801

# Trichromacy



## Original Color

79.0560, 84.0570, 106.6657

## Protanomaly

80.8398, 84.1356, 105.7450

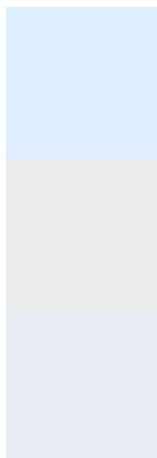
## Deuteranomaly

82.7855, 83.8485, 106.4289

## Tritanomaly

79.3650, 84.2164, 106.6801

# Monochromacy



## Original Color

79.0560, 84.0570, 106.6657

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

78.9775, 83.3906, 95.9378

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.0560, 84.0570, 106.6657 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(223, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 255)  
}
```

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(223, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.0560, 84.0570, 106.6657 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(223, 238, 255) }
```



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

```
.border{ border-color:rgb(223, 238, 255) }
```

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

Here you see how a box with a 4 pixel rgb(223, 238, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.0560, 84.0570, 106.6657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 255) }
```

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

```
.background{ background-color: rgb(223,  
238, 255) }
```

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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