

# Converting Colors

XYZ(80.3987, 85.0659,  
110.0973)

Have a look what the booklet for  
XYZ(80.3987, 85.0659, 110.0973)  
contains.

<b>XYZ(79.6570, 84.8003, 106.7775)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(79.6570, 84.8003,  
106.7775)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0EFFF
RGB	224, 239, 255
RGB Percent	88%, 94%, 100%
CMY	0.1216, 0.0627, 0.0000
CMYK	0.12, 0.06, 0.00, 0.00
HSL	211°, 100%, 94%
HSV	211°, 12%, 100%
XYZ	79.6570, 84.8003, 106.7775
YIQ	236.3390, -14.0760, 1.7960

# Conversions

## Conversions Part 2

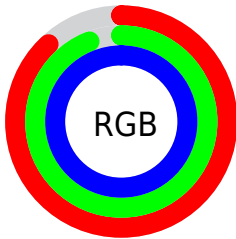
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 234, 255
Decimal	14741503
CIE <sub>Lab</sub>	93.80, -1.85, -9.40
CIE <sub>LCh</sub>	94, 9.578, 258.844
Yxy	84.8003, 0.2937, 0.3126
Android (android.graphics.Color)	4292931583 (0xFFE0EFFF)
YUV	236.3390, 9.1999, -10.8213
Hunter-Lab	92.0871, -6.7466, -4.2874

# Details

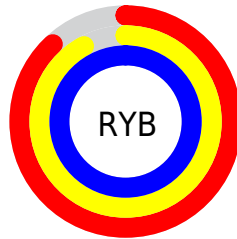
The XYZ color **79.6570, 84.8003, 106.7775** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8541, 88.9604, 83.1688**, and the grayscale version is **79.9299, 84.0925, 91.5767**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4887, 46.3792, 60.0861** is the 20% darker color. If you saturate the color by 10%, you get **68.6262, 73.6038, 105.1977**, and if you desaturate by 10%, it is **92.1579, 97.1755, 108.5073**.

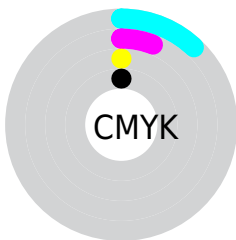
# Distribution



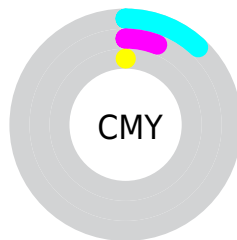
- Red (88%)
- Green (94%)
- Blue (100%)



- Red (88%)
- Yellow (92%)
- Blue (100%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6570, 84.8003, 106.7775 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 79.6570, 84.8003, 106.7775 by changing the saturation by 10% instead.



79.6570, 84.8003,  
106.7775

79.6570, 84.8003,  
106.7775

482.5303,  
510.9670, 603.1415

59.7436, 63.6764,  
81.3243

131.8364,  
140.0941, 172.5731

43.4607, 46.3886,  
60.2762

164.8332,  
175.0328, 213.7526

30.4428, 32.5526,  
43.2145

202.9219,  
215.3453, 261.0113

20.3247, 21.7839,  
29.7208

246.4677,  
261.4158, 314.7677

12.7409, 13.6982,  
19.3765

295.8361,  
313.6289, 375.4404

7.3262, 7.9111,  
11.7631

351.3925,

3.7150, 4.0381,

372.3688, 443.4479

6.4620

413.5021,  
438.0201, 519.2088

■ 1.5422, 1.6949,  
3.0547

■ 0.3543, 0.4204,  
1.1226

■ 79.6570, 84.8003,  
106.7775

■ 79.6570, 84.8003,  
106.7775

■ 68.6262, 73.6038,  
105.1977

■ 92.1579, 97.1755,  
108.5073

■ 59.0003, 63.5368,  
103.7619

95.0500, 100.0000,  
108.9000

■ 50.7188, 54.5613,  
102.4660

■ 43.7140, 46.6330,  
101.3048

■ 37.9118, 39.7039,  
100.2732

■ 33.2294, 33.7212,  
99.3652

■ 29.5725, 28.6255,  
98.5744

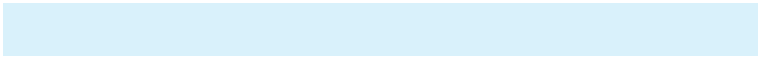
■ 26.8279, 24.3475,  
97.8933

■ 25.1852, 21.4904,  
97.4284

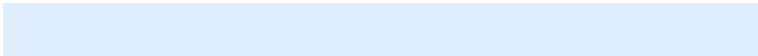
# Harmonies

## Analogous

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



77.4222, 84.8003, 103.2927



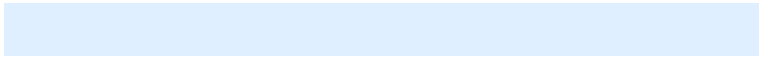
79.6570, 84.8003, 106.7775



82.1911, 84.8003, 106.2425

# Triad

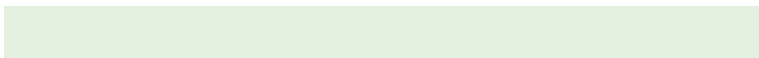
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6570, 84.8003, 106.7775



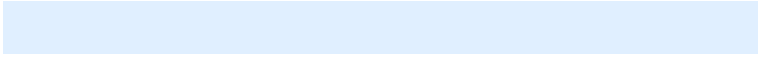
85.3209, 84.8003, 87.8798



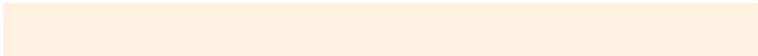
76.9714, 84.8003, 83.4132

# Complementary

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



79.6570, 84.8003, 106.7775



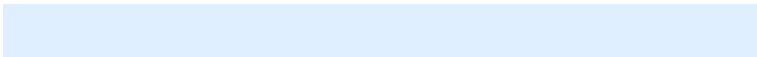
85.8541, 88.9604, 83.1688

# Split Complementary

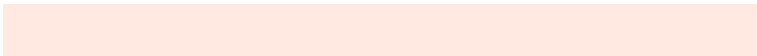
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0298, 84.8003, 79.6940



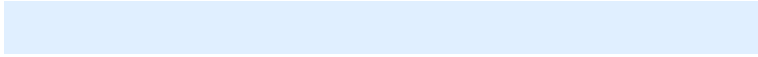
79.6570, 84.8003, 106.7775



83.8639, 84.8003, 82.1776

# Square

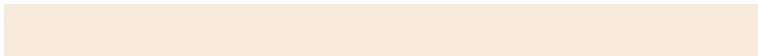
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.6570, 84.8003, 106.7775



85.4974, 84.8003, 95.0714



81.5507, 84.8003, 79.2539

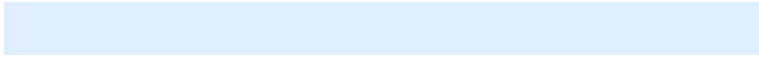


75.8936, 84.8003, 89.6479



# Rectangle

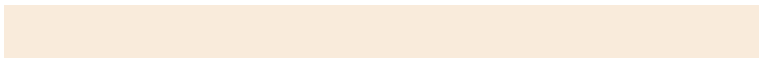
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.6570, 84.8003, 106.7775



83.7086, 84.8003, 103.6849



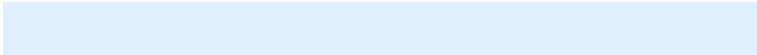
81.5507, 84.8003, 79.2539



77.5696, 84.8003, 81.8417

# Sweetspot

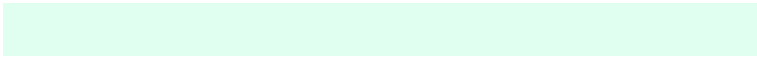
The Sweet Spot groups the original color and five complimentary colors.



79.6592, 84.8037, 106.7780



89.7403, 94.8043, 108.1770



82.1554, 93.6293, 95.7923



19.0002, 20.0875, 23.1258



0.0000, 0.0000, 0.0000

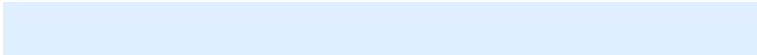


20.3446, 21.4041, 23.3091

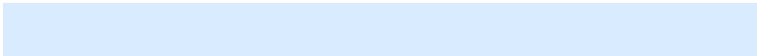


# Same Dimension

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



79.6592, 84.8037, 106.7780



76.3747, 81.5008, 106.3136



75.4475, 76.3802, 105.3741



17.7286, 18.8288, 22.9499



13.3078, 11.5252, 50.9578



1.4045, 1.3397, 4.9978



# Inverse Universe

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



83.4770, 80.8049, 92.8626



81.0219, 76.7703, 89.3445



90.4549, 98.1619, 84.7024



18.3757, 18.1336, 20.5954



23.5054, 11.8914, 11.3116

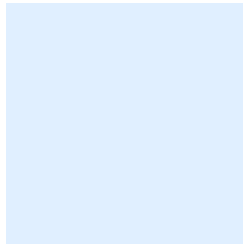


2.3435, 1.1798, 1.3905



# Previews

## White Background



This preview shows how the XYZ color 79.6570, 84.8003, 106.7775 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

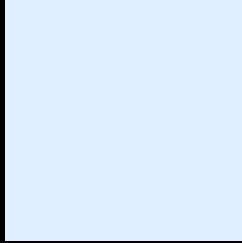
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.6570, 84.8003, 106.7775 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

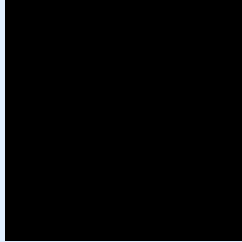
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

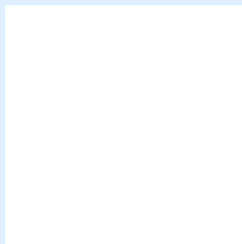
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 79.6570, 84.8003, 106.7775

## Background



This preview shows how black text looks on a background with the XYZ color 79.6570, 84.8003, 106.7775.



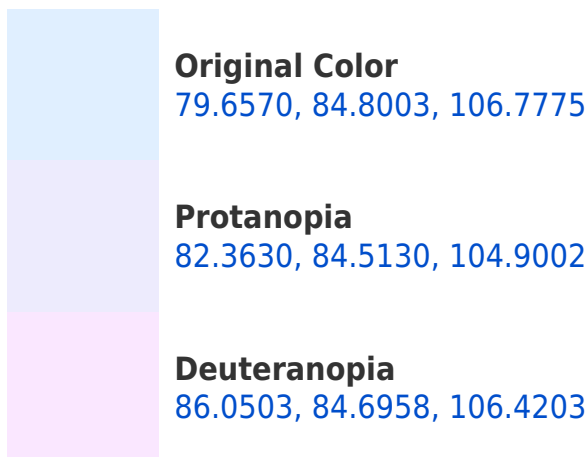
This preview shows how white text looks on a background with the XYZ color 79.6570, 84.8003,

106.7775.

# 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

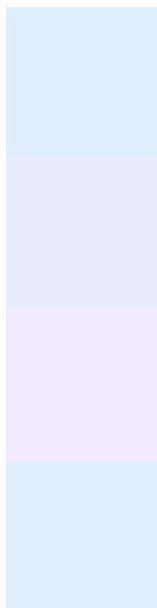




## Tritanopia

79.9886, 84.5378, 106.7093

# Trichromacy



## Original Color

79.6570, 84.8003, 106.7775

## Protanomaly

81.1636, 84.3025, 105.7602

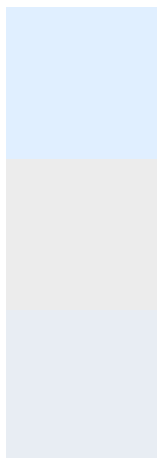
## Deuteranomaly

83.7484, 84.7664, 106.5553

## Tritanomaly

79.6759, 84.3766, 106.6947

# Monochromacy



## Original Color

79.6570, 84.8003, 106.7775

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

79.7406, 84.1952, 96.8425

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.6570, 84.8003, 106.7775 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(224, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 239, 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(224, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.6570, 84.8003, 106.7775 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(224, 239, 255) }
```



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

```
.border{ border-color:rgb(224, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.6570, 84.8003, 106.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 239, 255) }
```

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

```
.background{ background-color: rgb(224,  
239, 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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