

# Converting Colors

XYZ(79.7405, 83.5717,  
106.5359)

Have a look what the booklet for  
XYZ(79.7405, 83.5717, 106.5359)  
contains.

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# **Color**

**XYZ(79.7240, 83.5418,  
106.5310)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3ECFF
RGB	227, 236, 255
RGB Percent	89%, 93%, 100%
CMY	0.1098, 0.0745, 0.0000
CMYK	0.11, 0.07, 0.00, 0.00
HSL	221°, 100%, 95%
HSV	221°, 11%, 100%
XYZ	79.7240, 83.5418, 106.5310
YIQ	235.4750, -11.4630, 4.0010

# Conversions

## Conversions Part 2

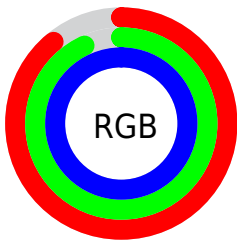
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	227, 234, 255
Decimal	14937343
CIE Lab	93.25, 0.63, -10.19
CIE LCh	93, 10.205, 273.549
Yxy	83.5418, 0.2955, 0.3096
Android (android.graphics.Color)	4293127423 (0xFFE3ECFF)
YUV	235.4750, 9.6258, -7.4326
Hunter-Lab	91.4012, -4.2568, -5.1235

# Details

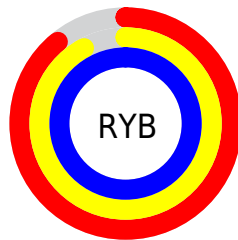
The XYZ color **79.7240, 83.5418, 106.5310** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0603, 92.7158, 85.9293**, and the grayscale version is **79.2647, 83.3926, 90.8146**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5276, 45.4904, 59.9125** is the 20% darker color. If you saturate the color by 10%, you get **67.5273, 70.2166, 104.6018**, and if you desaturate by 10%, it is **93.5988, 98.4529, 108.6779**.

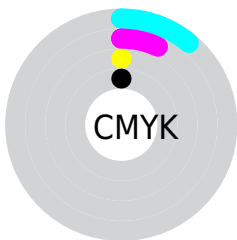
# Distribution



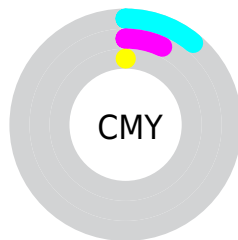
- Red (89%)
- Green (93%)
- Blue (100%)



- Red (89%)
- Yellow (92%)
- Blue (100%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7240, 83.5418, 106.5310 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 79.7240, 83.5418, 106.5310 by changing the saturation by 10% instead.



■ 79.7240, 83.5418,  
106.5310

■ 79.7240, 83.5418,  
106.5310

482.7529,  
506.7904, 602.3594

■ 59.7989, 62.6372,  
81.1188

131.9302,  
138.3340, 172.2336

■ 43.5054, 45.5478,  
60.1078

164.9420,  
172.9905, 213.3610

■ 30.4781, 31.8891,  
43.0797

203.0468,  
212.9997, 260.5639

■ 20.3517, 21.2768,  
29.6158

246.6100,  
258.7460, 314.2608

■ 12.7607, 13.3265,  
19.2976

295.9968,  
310.6138, 374.8703

■ 7.3398, 7.6538,  
11.7065

351.5727,

■ 3.7237, 3.8742,

368.9876, 442.8108

6.4241

413.7029,  
434.2516, 518.5011

■ 1.5471, 1.6034,  
3.0317

■ 0.3575, 0.3599,  
1.1108

■ 79.7240, 83.5418,  
106.5310

■ 79.7240, 83.5418,  
106.5310

■ 67.5273, 70.2166,  
104.6018

■ 93.5988, 98.4529,  
108.6779

■ 56.9362, 58.4128,  
102.8817

■ 95.0500, 100.0000,  
108.9000

■ 47.8826, 48.0764,  
101.3637

■ 40.2908, 39.1461,  
100.0401

■ 34.0781, 31.5560,  
98.9025

■ 29.1533, 25.2340,  
97.9419

■ 25.4126, 20.1004,  
97.1481

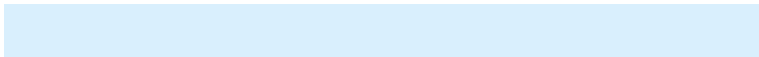
■ 22.7342, 16.0637,  
96.5101

■ 21.0672, 13.2544,  
96.0557

# Harmonies

## Analogous

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



77.1267, 83.5418, 104.8519



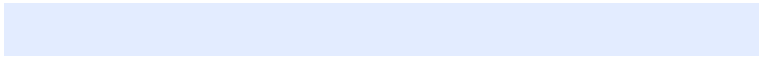
79.7240, 83.5418, 106.5310



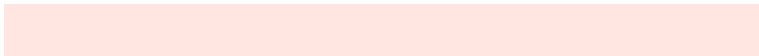
82.2912, 83.5418, 103.8489

# Triad

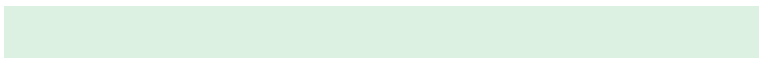
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7240, 83.5418, 106.5310



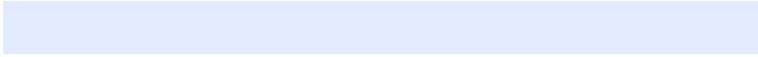
83.7844, 83.5418, 83.0344



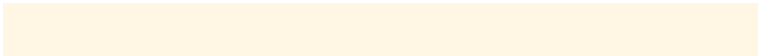
74.8712, 83.5418, 84.5352

# Complementary

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



79.7240, 83.5418, 106.5310



88.0603, 92.7158, 85.9293

# Split Complementary

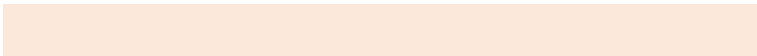
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



76.5851, 83.5418, 79.1894



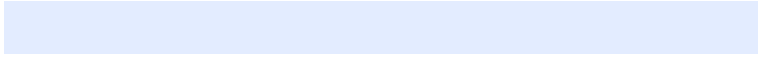
79.7240, 83.5418, 106.5310



81.7256, 83.5418, 78.3579

# Square

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



79.7240, 83.5418, 106.5310



84.6686, 83.5418, 90.0506



79.0848, 83.5418, 76.9904

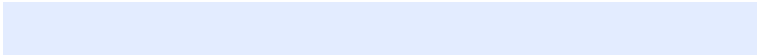


74.3623, 83.5418, 91.8812



# Rectangle

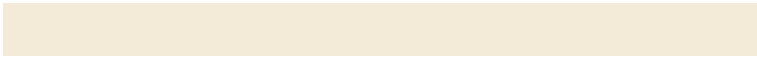
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



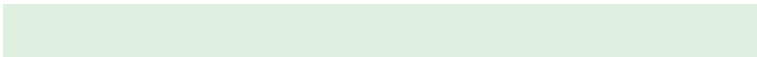
79.7240, 83.5418, 106.5310



83.6291, 83.5418, 100.0323



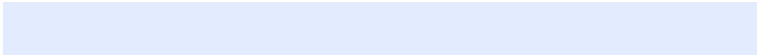
79.0848, 83.5418, 76.9904



75.3236, 83.5418, 82.4588

# Sweetspot

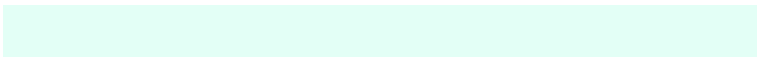
The Sweet Spot groups the original color and five complimentary colors.



79.7262, 83.5452, 106.5316



90.6579, 95.3110, 108.2264



84.0228, 94.4847, 100.7302



19.1589, 20.1375, 23.1271



0.0000, 0.0000, 0.0000

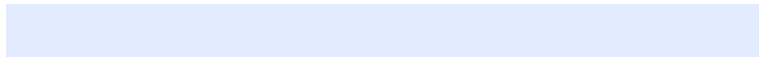


20.3446, 21.4041, 23.3091



# Same Dimension

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



79.7262, 83.5452, 106.5316



77.1286, 80.7266, 106.1244



78.6909, 79.2597, 105.7589



17.4798, 18.3313, 22.8669



11.1270, 7.1636, 50.2308



1.1774, 0.8855, 4.9221



# Inverse Universe

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



83.8508, 82.2558, 90.8185



81.9595, 79.2781, 87.7067



89.1695, 97.4519, 86.7850



18.2501, 18.0833, 19.9341



22.4046, 11.4511, 5.5152

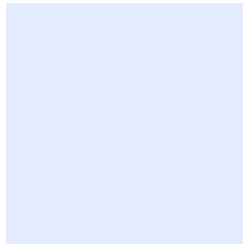


2.2289, 1.1339, 0.7868



# Previews

## White Background



This preview shows how the XYZ color 79.7240, 83.5418, 106.5310 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

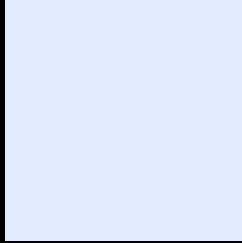
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 79.7240, 83.5418, 106.5310 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

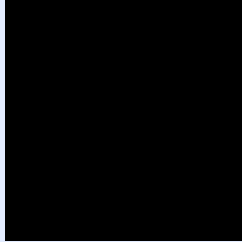
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 79.7240, 83.5418, 106.5310

## Background



This preview shows how black text looks on a background with the XYZ color 79.7240, 83.5418, 106.5310.



This preview shows how white text looks on a background with the XYZ color 79.7240, 83.5418,

106.5310.

# 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



### Original Color

79.7240, 83.5418, 106.5310

### Protanopia

81.2439, 83.4938, 105.5998

### Deuteranopia

84.7807, 83.2151, 106.2014



## **Tritanopia**

79.7240, 83.5418, 106.5310

# Trichromacy



## Original Color

79.7240, 83.5418, 106.5310

## Protanomaly

80.5527, 83.5613, 105.6493

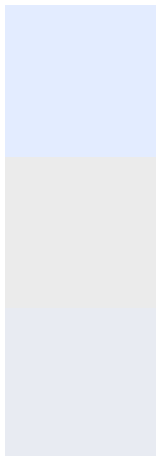
## Deuteranomaly

82.8418, 83.4585, 106.3506

## Tritanomaly

79.7240, 83.5418, 106.5310

# Monochromacy



## Original Color

79.7240, 83.5418, 106.5310

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

79.0141, 82.9833, 95.8573

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 79.7240, 83.5418, 106.5310 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(227, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 236, 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(227, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 79.7240, 83.5418, 106.5310 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(227, 236, 255) }
```



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

```
.border{ border-color:rgb(227, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 236, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 236, 255); box-shadow:4px 4px 4px 4px rgb(227, 236, 255) }
```

# Background

The CSS property to change the background color of an element to XYZ 79.7240, 83.5418, 106.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 236, 255) }
```

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

```
.background{ background-color: rgb(227,  
236, 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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