

# Converting Colors

XYZ(77.0999, 79.8555,  
106.3127)

Have a look what the booklet for  
XYZ(77.0999, 79.8555, 106.3127)  
contains.

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# Color

**XYZ(76.7782, 79.5016,  
105.9064)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFE6FF
RGB	223, 230, 255
RGB Percent	87%, 90%, 100%
CMY	0.1255, 0.0980, 0.0000
CMYK	0.13, 0.10, 0.00, 0.00
HSL	227°, 100%, 94%
HSV	227°, 13%, 100%
XYZ	76.7782, 79.5016, 105.9064
YIQ	230.7570, -12.1970, 6.2910

# Conversions

## Conversions Part 2

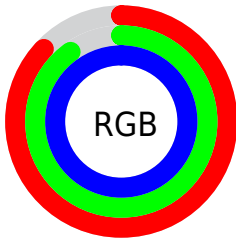
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	223, 229, 255
Decimal	14673663
CIE Lab	91.46, 2.47, -12.88
CIE LCh	91, 13.118, 280.844
Yxy	79.5016, 0.2928, 0.3032
Android (android.graphics.Color)	4292863743 (0xFFDFE6FF)
YUV	230.7570, 11.9518, -6.8029
Hunter-Lab	89.1637, -2.3313, -8.0086

# Details

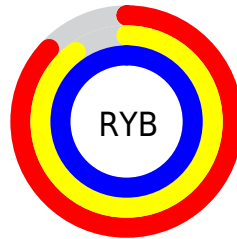
The XYZ color **76.7782, 79.5016, 105.9064** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.1260, 93.7208, 83.2587**, and the grayscale version is **75.6973, 79.6395, 86.7274**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6715, 43.0620, 59.5416** is the 20% darker color. If you saturate the color by 10%, you get **64.2755, 65.2939, 103.8230**, and if you desaturate by 10%, it is **91.1018, 95.5925, 108.2574**.

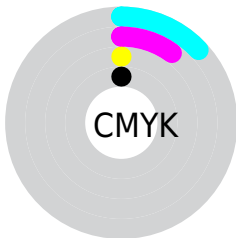
# Distribution



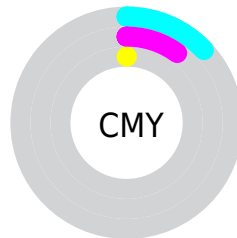
- Red (87%)
- Green (90%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7782, 79.5016, 105.9064 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 76.7782, 79.5016, 105.9064 by changing the saturation by 10% instead.



■ 76.7782, 79.5016,  
105.9064

■ 76.7782, 79.5016,  
105.9064

472.9110,  
493.2516, 600.3753

■ 57.3701, 59.3083,  
80.5980

127.8008,  
132.6648, 171.3729

■ 41.5438, 42.8614,  
59.6815

160.1461,  
166.4035, 212.3682

■ 28.9338, 29.7763,  
42.7384

197.5346,  
205.4261, 259.4295

■ 19.1748, 19.6689,  
29.3500

240.3315,  
250.1170, 312.9753

■ 11.9014, 12.1546,  
19.0979

288.9022,  
300.8606, 373.4243

■ 6.7483, 6.8491,  
11.5635

343.6121,

■ 3.3501, 3.3679,

358.0413, 441.1949

6.3283

404.8266,  
422.0435, 516.7058

■ 1.3415, 1.3267,  
2.9737

■ 0.2140, 0.1617,  
1.0812

■ 76.7782, 79.5016,  
105.9064

■ 76.7782, 79.5016,  
105.9064

■ 64.2755, 65.2939,  
103.8230

■ 91.1018, 95.5925,  
108.2574

■ 53.5134, 52.8902,  
101.9961

95.0500, 100.0000,  
108.9000

■ 44.4148, 42.2196,  
100.4160

■ 36.8944, 33.2029,  
99.0720

■ 30.8589, 25.7544,  
97.9524

■ 26.2050, 19.7802,  
97.0446

■ 22.8150, 15.1758,  
96.3345

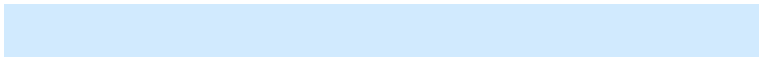
■ 20.5498, 11.8209,  
95.8063

■ 19.4549, 10.0299,  
95.5183

# Harmonies

## Analogous

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



73.4768, 79.5016, 105.1194



76.7782, 79.5016, 105.9064



79.8408, 79.5016, 101.2310

# Triad

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



76.7782, 79.5016, 105.9064



80.5253, 79.5016, 75.0872



69.6602, 79.5016, 80.6696

# Complementary

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



76.7782, 79.5016, 105.9064



88.1260, 93.7208, 83.2587

# 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.



71.4425, 79.5016, 73.3864



76.7782, 79.5016, 105.9064



77.6901, 79.5016, 70.3312

# Square

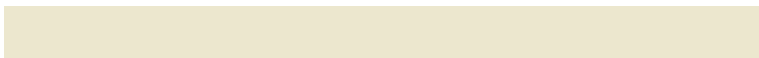
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7782, 79.5016, 105.9064



82.0462, 79.5016, 83.1504



74.3624, 79.5016, 69.7324



69.4323, 79.5016, 90.0693



# Rectangle

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



76.7782, 79.5016, 105.9064



81.3102, 79.5016, 95.8337



74.3624, 79.5016, 69.7324



70.0949, 79.5016, 77.9117

# Sweetspot

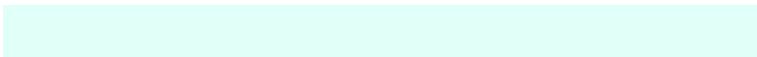
The Sweet Spot groups the original color and five complimentary colors.



76.7803, 79.5048, 105.9069



88.9071, 93.1378, 107.8992



83.0631, 93.9567, 102.1858



18.7897, 19.6665, 23.0556



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.



76.7803, 79.5048, 105.9069



73.5490, 75.8495, 105.3717



77.5662, 77.0746, 105.3964



17.3253, 18.0222, 22.8154



10.2544, 5.4184, 49.9400



1.0747, 0.6801, 4.8879



# Inverse Universe

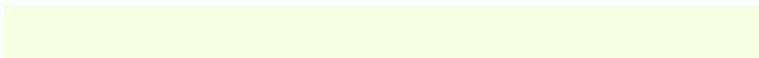
The Inverse Universe completely reimagines the original color for something new.



81.9119, 79.7500, 85.9428



79.5956, 76.1998, 81.8339



87.2497, 96.5253, 83.8462



18.1721, 18.0521, 19.5233



21.9641, 11.2750, 3.1957

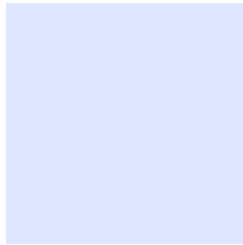


2.1771, 1.1132, 0.5139



# Previews

## White Background



This preview shows how the XYZ color 76.7782, 79.5016, 105.9064 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

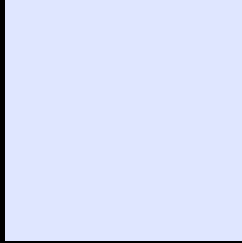
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.7782, 79.5016, 105.9064 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

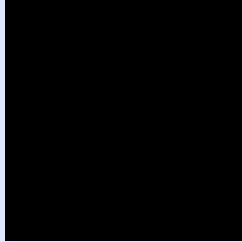
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.7782, 79.5016, 105.9064

## Background



This preview shows how black text looks on a background with the XYZ color 76.7782, 79.5016, 105.9064.



This preview shows how white text looks on a background with the XYZ color 76.7782, 79.5016,



# 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

76.7782, 79.5016, 105.9064

### Protanopia

77.5873, 79.5253, 105.0266

### Deuteranopia

80.6408, 79.0566, 105.6170



## Tritanopia

75.7990, 79.5210, 100.9766

# Trichromacy



## Original Color

76.7782, 79.5016, 105.9064

## Protanomaly

77.2727, 79.3631, 105.0118

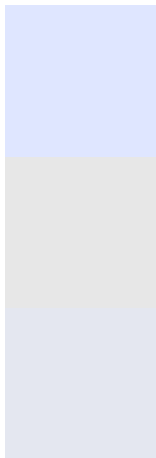
## Deuteranomaly

79.1780, 79.1051, 105.7034

## Tritanomaly

76.1127, 79.6465, 102.6285

# Monochromacy



## Original Color

76.7782, 79.5016, 105.9064

## Achromatopsia

75.9547, 79.9103, 87.0223

## Achromatomaly

76.2990, 79.9371, 93.8461

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.7782, 79.5016, 105.9064 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, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 230, 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, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 230, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.7782, 79.5016, 105.9064 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, 230, 255) }
```



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

```
.border{ border-color:rgb(223, 230, 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, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 230,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.7782, 79.5016, 105.9064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 230, 255) }
```

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

```
.background{ background-color: rgb(223,  
230, 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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