

# Converting Colors

XYZ(77.5627, 80.4275,  
106.0438)

Have a look what the booklet for  
XYZ(77.5627, 80.4275, 106.0438)  
contains.

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# Color

**XYZ(77.3664, 80.2191,  
106.0139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E7FF
RGB	224, 231, 255
RGB Percent	88%, 91%, 100%
CMY	0.1216, 0.0941, 0.0000
CMYK	0.12, 0.09, 0.00, 0.00
HSL	226°, 100%, 94%
HSV	226°, 12%, 100%
XYZ	77.3664, 80.2191, 106.0139
YIQ	231.6430, -11.8760, 5.9800

# Conversions

## Conversions Part 2

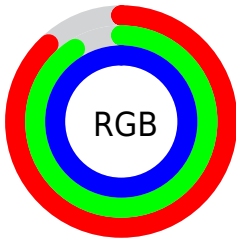
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 230, 255
Decimal	14739455
CIE Lab	91.78, 2.26, -12.39
CIE LCh	92, 12.600, 280.355
Yxy	80.2191, 0.2935, 0.3043
Android (android.graphics.Color)	4292929535 (0xFFE0E7FF)
YUV	231.6430, 11.5150, -6.7029
Hunter-Lab	89.5651, -2.5505, -7.4831

# Details

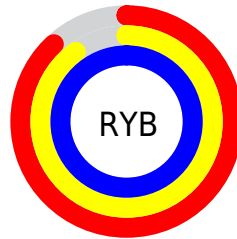
The XYZ color **77.3664, 80.2191, 106.0139** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.2614, 93.7751, 83.9712**, and the grayscale version is **76.3599, 80.3365, 87.4865**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.8852, 43.1722, 59.5516** is the 20% darker color. If you saturate the color by 10%, you get **64.8317, 66.0149, 103.9329**, and if you desaturate by 10%, it is **91.7136, 96.2869, 108.3592**.

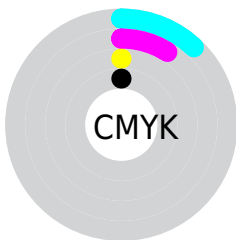
# Distribution



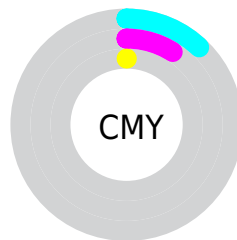
- Red (88%)
- Green (91%)
- Blue (100%)



- Red (88%)
- Yellow (90%)
- Blue (100%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3664, 80.2191, 106.0139 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 77.3664, 80.2191, 106.0139 by changing the saturation by 10% instead.



■ 77.3664, 80.2191,  
106.0139

■ 77.3664, 80.2191,  
106.0139

474.8852,  
495.6709, 600.7171

■ 57.8546, 59.8987,  
80.6876

128.6267,  
133.6737, 171.5211

■ 41.9346, 43.3370,  
59.7549

161.1058,  
167.5767, 212.5391

■ 29.2410, 30.1496,  
42.7971

198.6382,  
206.7760, 259.6248

■ 19.4084, 19.9522,  
29.3957

241.5891,  
251.6560, 313.1967

■ 12.0715, 12.3603,  
19.1322

290.3239,  
302.6011, 373.6733

■ 6.8649, 6.9895,  
11.5881

345.2079,

■ 3.4233, 3.4556,

359.9957, 441.4732

6.3447

406.6066,  
424.2242, 517.0150

■ 1.3814, 1.3739,  
2.9837

■ 0.2429, 0.1974,  
1.0863

■ 77.3664, 80.2191,  
106.0139

■ 77.3664, 80.2191,  
106.0139

■ 64.8317, 66.0149,  
103.9329

■ 91.7136, 96.2869,  
108.3592

■ 54.0300, 53.5962,  
102.1052

95.0500, 100.0000,  
108.9000

■ 44.8850, 42.8937,  
100.5214

■ 37.3124, 33.8298,  
99.1710

■ 31.2201, 26.3205,  
98.0426

■ 26.5059, 20.2741,  
97.1240

■ 23.0539, 15.5883,  
96.4015

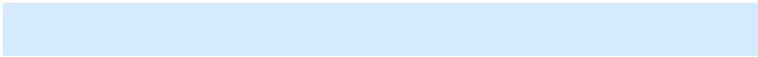
■ 20.7271, 12.1458,  
95.8597

■ 19.5433, 10.2067,  
95.5478

# Harmonies

## Analogous

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



74.1792, 80.2191, 105.1688



77.3664, 80.2191, 106.0139



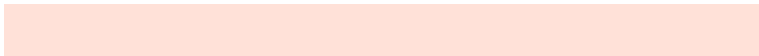
80.3338, 80.2191, 101.5956

# Triad

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



77.3664, 80.2191, 106.0139



81.0717, 80.2191, 76.3383



70.5513, 80.2191, 81.5071

# Complementary

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



77.3664, 80.2191, 106.0139



88.2614, 93.7751, 83.9712

# Split Complementary

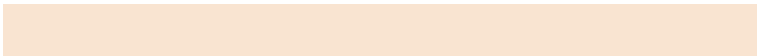
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.2990, 80.2191, 74.4935



77.3664, 80.2191, 106.0139



78.3505, 80.2191, 71.6581

# Square

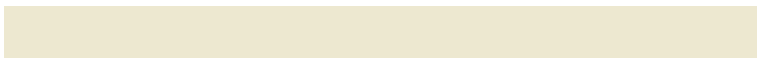
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3664, 80.2191, 106.0139



82.5127, 80.2191, 84.1901



75.1362, 80.2191, 71.0074



70.3046, 80.2191, 90.5776



# Rectangle

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



77.3664, 80.2191, 106.0139



81.7656, 80.2191, 96.4307



75.1362, 80.2191, 71.0074



70.9803, 80.2191, 78.8486

# Sweetspot

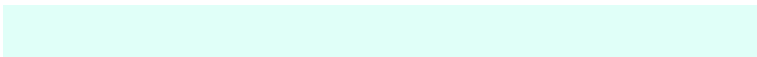
The Sweet Spot groups the original color and five complimentary colors.



77.3686, 80.2224, 106.0144



88.9291, 93.1819, 107.9066



83.4084, 94.1305, 102.3906



18.7953, 19.6776, 23.0575



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.



77.3686, 80.2224, 106.0144



73.6221, 75.9956, 105.3961



78.0722, 77.7334, 105.4969



17.3358, 18.0433, 22.8190



10.3029, 5.5153, 49.9561



1.0808, 0.6923, 4.8899



# Inverse Universe

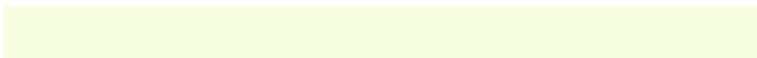
The Inverse Universe completely reimagines the original color for something new.



82.3208, 80.3424, 86.7739



79.6325, 76.2145, 82.0280



87.4789, 96.6278, 84.5631



18.1774, 18.0543, 19.5514



21.9886, 11.2847, 3.3246

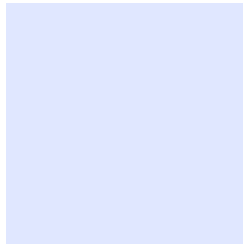


2.1802, 1.1144, 0.5301



# Previews

## White Background



This preview shows how the XYZ color 77.3664, 80.2191, 106.0139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

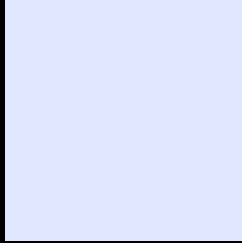
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 77.3664, 80.2191, 106.0139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

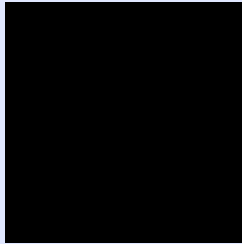
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 77.3664, 80.2191, 106.0139**

## **Background**



This preview shows how black text looks on a background with the XYZ color 77.3664, 80.2191, 106.0139.



This preview shows how white text looks on a background with the XYZ color 77.3664, 80.2191,



# 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

77.3664, 80.2191, 106.0139

### Protanopia

78.4993, 80.4074, 105.1488

### Deuteranopia

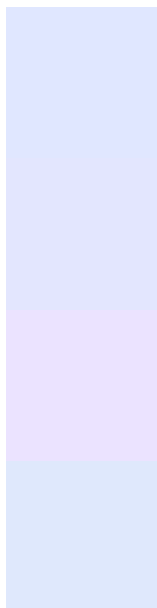
81.5932, 79.9477, 105.7388



## Tritanopia

76.5434, 80.3033, 101.9083

# Trichromacy



## Original Color

77.3664, 80.2191, 106.0139

## Protanomaly

77.8648, 80.0803, 105.1191

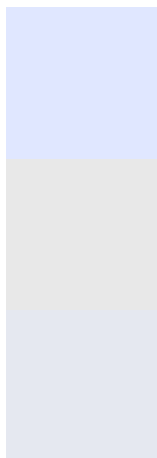
## Deuteranomaly

79.7800, 79.8203, 105.8097

## Tritanomaly

76.8587, 80.4295, 103.5690

# Monochromacy



## Original Color

77.3664, 80.2191, 106.0139

## Achromatopsia

76.7008, 80.6952, 87.8771

## Achromatomaly

76.8979, 80.6625, 93.9545

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 77.3664, 80.2191, 106.0139 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, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 231, 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, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 77.3664, 80.2191, 106.0139 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, 231, 255) }
```



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

```
.border{ border-color:rgb(224, 231, 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, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 77.3664, 80.2191, 106.0139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 231, 255) }
```

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

```
.background{ background-color: rgb(224,  
231, 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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