

# Converting Colors

XYZ(76.4885, 78.8293,  
105.7919)

Have a look what the booklet for  
XYZ(76.4885, 78.8293, 105.7919)  
contains.

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# Color

**XYZ(76.5007, 78.9466,  
105.8139)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFE5FF
RGB	223, 229, 255
RGB Percent	87%, 90%, 100%
CMY	0.1255, 0.1019, 0.0000
CMYK	0.13, 0.10, 0.00, 0.00
HSL	229°, 100%, 94%
HSV	229°, 13%, 100%
XYZ	76.5007, 78.9466, 105.8139
YIQ	230.1700, -11.9220, 6.8140

# Conversions

## Conversions Part 2

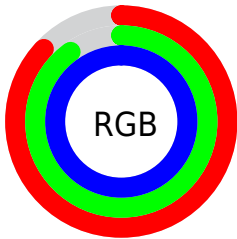
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	223, 228, 255
Decimal	14673407
CIE <sub>Lab</sub>	91.21, 2.99, -13.26
CIE <sub>LCh</sub>	91, 13.590, 282.695
Yxy	78.9466, 0.2928, 0.3022
Android (android.graphics.Color)	4292863487 (0xFFDFE5FF)
YUV	230.1700, 12.2412, -6.2881
Hunter-Lab	88.8519, -1.8039, -8.4122

# Details

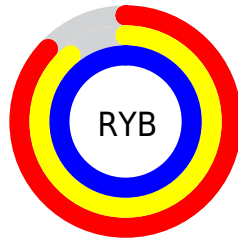
The XYZ color **76.5007, 78.9466, 105.8139** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **88.4343, 94.3373, 83.3615**, and the grayscale version is **75.2600, 79.1794, 86.2263**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4775, 42.6742, 59.4769** is the 20% darker color. If you saturate the color by 10%, you get **63.8341, 64.4111, 103.6759**, and if you desaturate by 10%, it is **91.0387, 95.4664, 108.2364**.

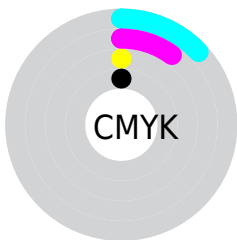
# Distribution



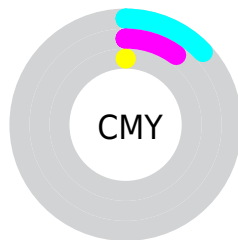
- Red (87%)
- Green (90%)
- Blue (100%)



- Red (87%)
- Yellow (89%)
- 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 76.5007, 78.9466, 105.8139 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 76.5007, 78.9466, 105.8139 by changing the saturation by 10% instead.



■ 76.5007, 78.9466,  
105.8139

■ 76.5007, 78.9466,  
105.8139

471.9780,  
491.3757, 600.0812

■ 57.1417, 58.8519,  
80.5209

127.4110,  
131.8837, 171.2454

■ 41.3596, 42.4939,  
59.6184

159.6930,  
165.4949, 212.2211

■ 28.7891, 29.4882,  
42.6879

197.0134,  
204.3803, 259.2614

■ 19.0648, 19.4505,  
29.3107

239.7374,  
248.9245, 312.7848

■ 11.8214, 11.9962,  
19.0684

288.2306,  
299.5117, 373.2100

■ 6.6935, 6.7411,  
11.5424

342.8582,

■ 3.3158, 3.3007,

356.5263, 440.9554

6.3142

403.9855,  
420.3529, 516.4397

■ 1.3229, 1.2907,  
2.9652

■ 0.2002, 0.1340,  
1.0769

■ 76.5007, 78.9466,  
105.8139

■ 76.5007, 78.9466,  
105.8139

■ 63.8341, 64.4111,  
103.6759

■ 91.0387, 95.4664,  
108.2364

■ 52.9559, 51.7752,  
101.8103

95.0500, 100.0000,  
108.9000

■ 43.7861, 40.9622,  
100.2065

■ 36.2361, 31.8864,  
98.8526

■ 30.2092, 24.4550,  
97.7358

■ 25.5979, 18.5662,  
96.8422

■ 22.2802, 14.1062,  
96.1562

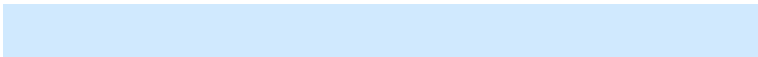
■ 20.1115, 10.9442,  
95.6602

■ 19.1004, 9.3208,  
95.4001

# Harmonies

## Analogous

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



73.0844, 78.9466, 105.3613



76.5007, 78.9466, 105.8139



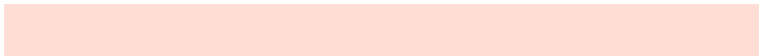
79.6156, 78.9466, 100.6607

# Triad

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



76.5007, 78.9466, 105.8139



80.0079, 78.9466, 73.7332



68.8917, 78.9466, 80.4423

# Complementary

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



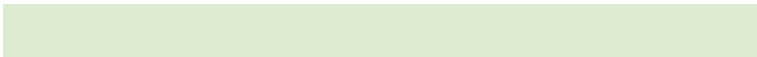
76.5007, 78.9466, 105.8139



88.4343, 94.3373, 83.3615

# Split Complementary

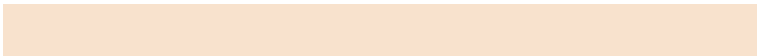
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.6362, 78.9466, 72.7641



76.5007, 78.9466, 105.8139



77.0228, 78.9466, 69.0988

# Square

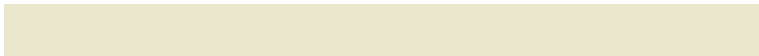
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5007, 78.9466, 105.8139



81.6818, 78.9466, 81.8597



73.5909, 78.9466, 68.7582



68.7616, 78.9466, 90.1938



# Rectangle

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



76.5007, 78.9466, 105.8139



81.0740, 78.9466, 94.9532



73.5909, 78.9466, 68.7582



69.3062, 78.9466, 77.5523

# Sweetspot

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



76.5028, 78.9498, 105.8144



88.8097, 92.9430, 107.8668



83.2287, 94.0230, 103.0577



18.7651, 19.6174, 23.0475



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.



76.5028, 78.9498, 105.8144



73.2268, 75.2050, 105.2643



77.9126, 77.2531, 105.4127



17.2787, 17.9290, 22.7999



10.0588, 5.0271, 49.8748



1.0493, 0.6293, 4.8794



# Inverse Universe

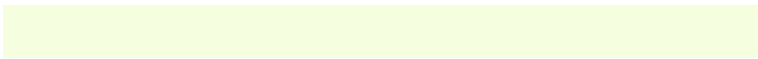
The Inverse Universe completely reimagines the original color for something new.



81.7718, 79.6939, 85.2052



79.4330, 76.1347, 80.9773



86.8757, 96.3324, 83.8287



18.1486, 18.0427, 19.3995



21.8654, 11.2355, 2.6757

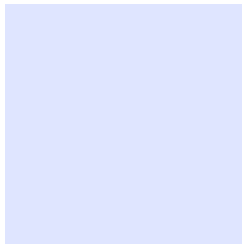


2.1642, 1.1081, 0.4464



# Previews

## White Background



This preview shows how the XYZ color 76.5007, 78.9466, 105.8139 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

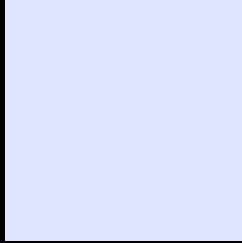
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5007, 78.9466, 105.8139 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

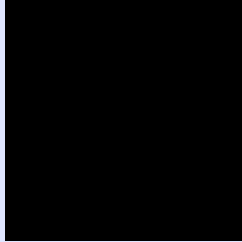
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.5007, 78.9466, 105.8139

## Background



This preview shows how black text looks on a background with the XYZ color 76.5007, 78.9466, 105.8139.



This preview shows how white text looks on a background with the XYZ color 76.5007, 78.9466,



# 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

76.5007, 78.9466, 105.8139

### Protanopia

76.9968, 78.8113, 104.9199

### Deuteranopia

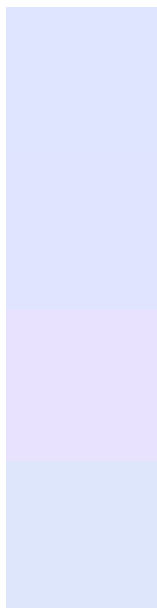
80.3023, 78.8820, 105.6011



## Tritanopia

75.3643, 78.9005, 100.0641

# Trichromacy



## Original Color

76.5007, 78.9466, 105.8139

## Protanomaly

76.6841, 78.6501, 104.9052

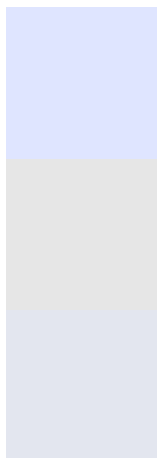
## Deuteranomaly

78.8506, 78.9364, 105.6881

## Tritanomaly

75.8336, 79.0883, 102.5355

# Monochromacy



## Original Color

76.5007, 78.9466, 105.8139

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

75.5554, 79.1565, 92.9579

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5007, 78.9466, 105.8139 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, 229, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 229, 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, 229, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 229, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5007, 78.9466, 105.8139 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, 229, 255) }
```



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

```
.border{ border-color:rgb(223, 229, 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, 229, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 229, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 229, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 229,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5007, 78.9466, 105.8139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 229, 255) }
```

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

```
.background{ background-color: rgb(223,  
229, 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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