

# Converting Colors

XYZ(76.0748, 75.5184,  
105.1747)

Have a look what the booklet for  
XYZ(76.0748, 75.5184, 105.1747)  
contains.

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# **Color**

**XYZ(76.2195, 75.5909,  
105.1810)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5DDFF
RGB	229, 221, 255
RGB Percent	90%, 87%, 100%
CMY	0.1020, 0.1333, 0.0000
CMYK	0.10, 0.13, 0.00, 0.00
HSL	254°, 100%, 93%
HSV	254°, 13%, 100%
XYZ	76.2195, 75.5909, 105.1810
YIQ	227.2680, -6.1460, 12.2700

# Conversions

## Conversions Part 2

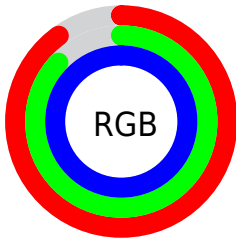
Format	Color
R <sub>Y</sub> B	229, 221, 255
Decimal	15064575
CIE Lab	89.67, 9.06, -15.52
CIE LCh	90, 17.969, 300.272
Yxy	75.5909, 0.2966, 0.2941
Android (android.graphics.Color)	4293254655 (0xFFE5DDFF)
YUV	227.2680, 13.6719, 1.5190
Hunter-Lab	86.9430, 4.3336, -10.8671

# Details

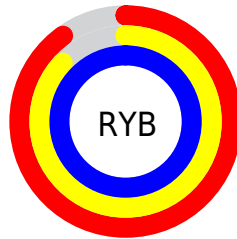
The XYZ color **76.2195, 75.5909, 105.1810** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **87.1707, 96.5155, 82.4452**, and the grayscale version is **73.1173, 76.9250, 83.7714**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0628, 40.2339, 59.0278** is the 20% darker color. If you saturate the color by 10%, you get **64.1148, 60.1054, 102.8300**, and if you desaturate by 10%, it is **90.0498, 93.4879, 107.9066**.

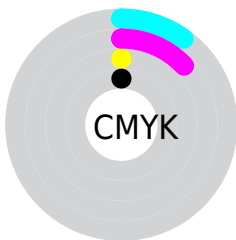
# Distribution



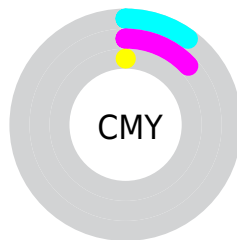
- Red (90%)
- Green (87%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2195, 75.5909, 105.1810 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 76.2195, 75.5909, 105.1810 by changing the saturation by 10% instead.



76.2195, 75.5909,  
105.1810

76.2195, 75.5909,  
105.1810

471.0316,  
479.9461, 598.0668

56.9102, 56.0971,  
79.9935

127.0158,  
127.1485, 170.3728

41.1730, 40.2808,  
59.1869

159.2336,  
159.9810, 211.2141

28.6426, 27.7575,  
42.3426

196.4849,  
198.0286, 258.1105

18.9535, 18.1430,  
29.0420

239.1350,  
241.6757, 311.4804

11.7405, 11.0527,  
18.8668

287.5494,  
291.3065, 371.7425

6.6382, 6.1023,  
11.3982

342.0934,

3.2812, 2.9074,

347.3056, 439.3152

6.2178

403.1324,  
410.0574, 514.6171

■ 1.3041, 1.0836,  
2.9071

■ 0.1863, 0.0000,  
1.0474

■ 76.2195, 75.5909,  
105.1810

■ 76.2195, 75.5909,  
105.1810

■ 64.1148, 60.1054,  
102.8300

■ 90.0498, 93.4879,  
107.9066

■ 53.6607, 46.9184,  
100.8357

95.0500, 100.0000,  
108.9000

■ 44.7853, 35.9215,  
99.1808

■ 37.4092, 26.9938,  
97.8464

■ 31.4457, 20.0026,  
96.8113

■ 26.7987, 14.7992,  
96.0518

■ 23.3589, 11.2127,  
95.5409

■ 20.9974, 9.0371,  
95.2454

■ 19.9126, 8.1802,  
95.1372

# Harmonies

## Analogous

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



71.8873, 75.5909, 109.1401



76.2195, 75.5909, 105.1810



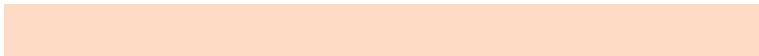
79.4873, 75.5909, 94.9824

# Triad

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



76.2195, 75.5909, 105.1810



76.1467, 75.5909, 62.9167



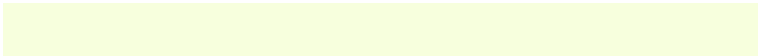
63.6744, 75.5909, 82.4215

# Complementary

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



76.2195, 75.5909, 105.1810



87.1707, 96.5155, 82.4452

# Split Complementary

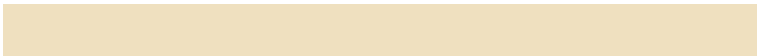
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.7125, 75.5909, 70.8102



76.2195, 75.5909, 105.1810



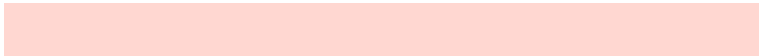
71.8065, 75.5909, 60.2751

# Square

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



76.2195, 75.5909, 105.1810



79.4440, 75.5909, 70.6289



67.6448, 75.5909, 63.0135



64.7502, 75.5909, 95.2032



# Rectangle

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



76.2195, 75.5909, 105.1810



80.5584, 75.5909, 86.4895



67.6448, 75.5909, 63.0135



63.7872, 75.5909, 78.2589

# Sweetspot

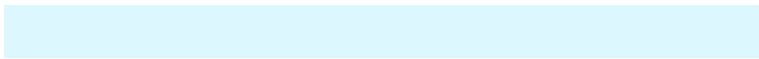
The Sweet Spot groups the original color and five complimentary colors.



76.2216, 75.5940, 105.1815



89.0701, 92.2143, 107.7124



81.1519, 89.1560, 107.5394



18.8308, 19.4338, 23.0086



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.



76.2216, 75.5940, 105.1815



72.8250, 71.2294, 104.5181



81.8910, 78.5167, 105.4469



17.4029, 17.5839, 22.7268



10.5132, 4.3302, 49.7163



1.1153, 0.4689, 4.8450



# Inverse Universe

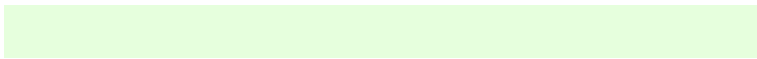
The Inverse Universe completely reimagines the original color for something new.



83.8868, 79.6912, 98.9589



81.8802, 76.0716, 97.0763



81.4676, 93.5754, 82.1783



18.5992, 18.2230, 21.7723



26.7574, 13.1923, 28.4368



2.6473, 1.3013, 2.9902



# Previews

## White Background



This preview shows how the XYZ color 76.2195, 75.5909, 105.1810 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

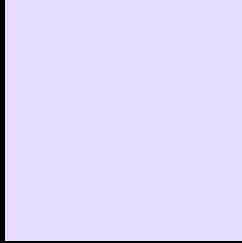
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2195, 75.5909, 105.1810 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

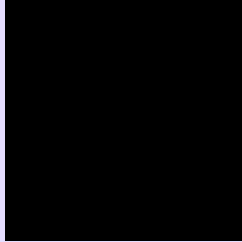
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.2195, 75.5909, 105.1810

## Background



This preview shows how black text looks on a background with the XYZ color 76.2195, 75.5909, 105.1810.



This preview shows how white text looks on a background with the XYZ color 76.2195, 75.5909,



# 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

76.2195, 75.5909, 105.1810

### Protanopia

74.2209, 75.7470, 105.3165

### Deuteranopia

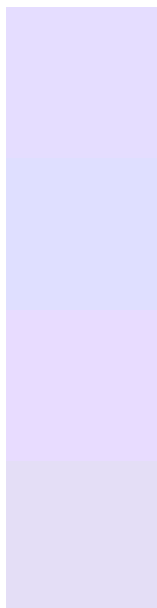
77.2475, 75.7300, 105.1537



## Tritanopia

73.9434, 75.4571, 93.8865

# Trichromacy



## Original Color

76.2195, 75.5909, 105.1810

## Protanomaly

74.8691, 75.6833, 105.2701

## Deuteranomaly

76.9219, 75.5622, 105.1385

## Tritanomaly

74.7507, 75.3904, 97.8008

# Monochromacy



## Original Color

76.2195, 75.5909, 105.1810

## Achromatopsia

73.0128, 76.8151, 83.6517

## Achromatomaly

74.2062, 76.4588, 90.9677

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2195, 75.5909, 105.1810 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(229, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 221, 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(229, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 221, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2195, 75.5909, 105.1810 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(229, 221, 255) }
```



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

```
.border{ border-color:rgb(229, 221, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 221, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 221, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 221,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2195, 75.5909, 105.1810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 221, 255) }
```

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

```
.background{ background-color: rgb(229,  
221, 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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