

# Converting Colors

XYZ(75.6785, 76.6582,  
105.4156)

Have a look what the booklet for  
XYZ(75.6785, 76.6582, 105.4156)  
contains.

<b>XYZ(75.4461, 76.3786, 105.3738)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(75.4461, 76.3786,  
105.3738)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0E0FF
RGB	224, 224, 255
RGB Percent	88%, 88%, 100%
CMY	0.1216, 0.1215, 0.0000
CMYK	0.12, 0.12, 0.00, 0.00
HSL	240°, 100%, 94%
HSV	240°, 12%, 100%
XYZ	75.4461, 76.3786, 105.3738
YIQ	227.5340, -9.9510, 9.6410

# Conversions

## Conversions Part 2

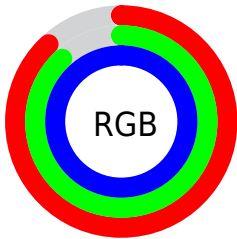
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 224, 255
Decimal	14737663
CIE Lab	90.03, 5.91, -15.01
CIE LCh	90, 16.129, 291.478
Yxy	76.3786, 0.2933, 0.2970
Android (android.graphics.Color)	4292927743 (0xFFE0E0FF)
YUV	227.5340, 13.5407, -3.0993
Hunter-Lab	87.3949, 1.1542, -10.3108

# Details

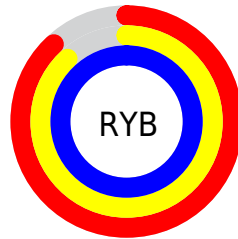
The XYZ color **75.4461, 76.3786, 105.3738** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.4539, 98.1601, 84.7019**, and the grayscale version is **73.3139, 77.1319, 83.9966**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7432, 40.8882, 59.1709** is the 20% darker color. If you saturate the color by 10%, you get **61.7816, 59.9147, 102.9162**, and if you desaturate by 10%, it is **91.3275, 95.5147, 108.2305**.

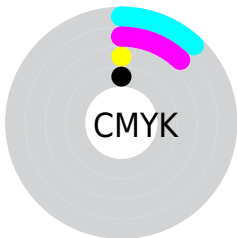
# Distribution



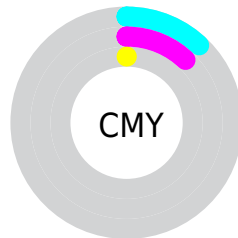
- Red (88%)
- Green (88%)
- Blue (100%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4461, 76.3786, 105.3738 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 75.4461, 76.3786, 105.3738 by changing the saturation by 10% instead.



75.4461, 76.3786,  
105.3738

75.4461, 76.3786,  
105.3738

468.4231,  
482.6427, 598.6808

56.2739, 56.7430,  
80.1541

125.9282,  
128.2619, 170.6387

40.6604, 40.7989,  
59.3183

157.9687,  
161.2785, 211.5210

28.2403, 28.1620,  
42.4477

195.0295,  
199.5241, 258.4612

18.6483, 18.4478,  
29.1238

237.4757,  
243.3833, 311.8780

11.5189, 11.2720,  
18.9281

285.6729,  
293.2403, 372.1898

6.4869, 6.2501,  
11.4421

339.9862,

3.1868, 2.9977,

349.4796, 439.8151

6.2471

400.7812,  
412.4856, 515.1726

■ 1.2533, 1.1306,  
2.9247

■ 0.1478, 0.0039,  
1.0563

■ 75.4461, 76.3786,  
105.3738

■ 75.4461, 76.3786,  
105.3738

■ 61.7816, 59.9147,  
102.9162

■ 91.3275, 95.5147,  
108.2305

■ 50.2295, 45.9954,  
100.8384

95.0500, 100.0000,  
108.9000

■ 40.6864, 34.4967,  
99.1219

■ 33.0377, 25.2804,  
97.7461

■ 27.1571, 18.1945,  
96.6883

■ 22.9032, 13.0686,  
95.9231

■ 20.1128, 9.7062,  
95.4212

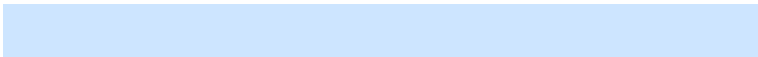
■ 18.5891, 7.8699,  
95.1470

■ 18.0503, 7.2205,  
95.0501

# Harmonies

## Analogous

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



71.4625, 76.3786, 106.8861



75.4461, 76.3786, 105.3738



78.7761, 76.3786, 97.6395

# Triad

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



75.4461, 76.3786, 105.3738



77.4884, 76.3786, 67.1038



65.2569, 76.3786, 79.9438

# Complementary

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



75.4461, 76.3786, 105.3738



90.4539, 98.1601, 84.7019

# Split Complementary

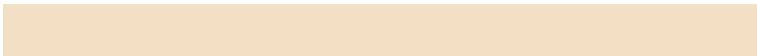
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.7470, 76.3786, 70.1937



75.4461, 76.3786, 105.3738



73.7405, 76.3786, 63.2391

# Square

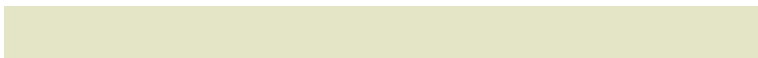
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4461, 76.3786, 105.3738



79.9850, 76.3786, 75.3617



69.8178, 76.3786, 64.3161



65.6758, 76.3786, 91.4856



# Rectangle

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



75.4461, 76.3786, 105.3738



80.1297, 76.3786, 90.3536



69.8178, 76.3786, 64.3161



65.5491, 76.3786, 76.3650

# Sweetspot

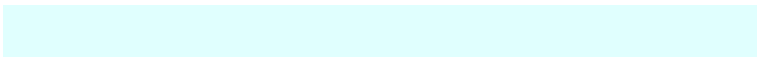
The Sweet Spot groups the original color and five complimentary colors.



75.4482, 76.3817, 105.3743



88.2287, 91.7810, 107.6731



84.4681, 94.5544, 107.9712



18.6188, 19.3247, 22.9987



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.



75.4482, 76.3817, 105.3743



71.3404, 71.4322, 104.6355



80.2976, 78.8805, 105.6011



17.0032, 17.3781, 22.7081



9.4317, 3.7730, 49.6657



0.9184, 0.3675, 4.8358



# Inverse Universe

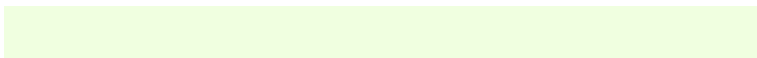
The Inverse Universe completely reimagines the original color for something new.



81.3515, 79.9546, 81.6697



78.4808, 75.7539, 75.9633



85.1560, 95.4303, 84.4543



18.0095, 17.9871, 18.6674



21.5489, 11.1088, 1.0090

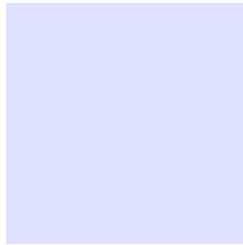


2.0982, 1.0816, 0.0984



# Previews

## White Background



This preview shows how the XYZ color 75.4461, 76.3786, 105.3738 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

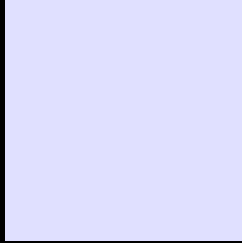
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4461, 76.3786, 105.3738 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

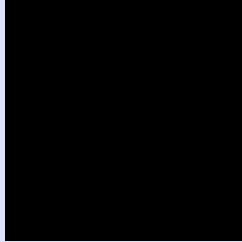
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 75.4461, 76.3786, 105.3738

## Background



This preview shows how black text looks on a background with the XYZ color 75.4461, 76.3786, 105.3738.



This preview shows how white text looks on a background with the XYZ color 75.4461, 76.3786,



# 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

75.4461, 76.3786, 105.3738

### Protanopia

75.0994, 76.6000, 105.4349

### Deuteranopia

77.8381, 76.4253, 105.2568



## Tritanopia

73.6497, 76.4540, 96.4633

# Trichromacy



## Original Color

75.4461, 76.3786, 105.3738

## Protanomaly

75.4066, 76.7584, 105.4492

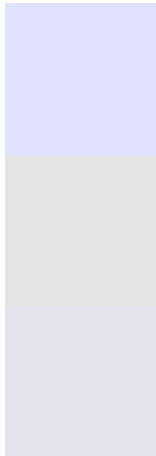
## Deuteranomaly

76.8044, 76.2855, 105.2843

## Tritanomaly

74.2999, 76.3157, 99.6213

# Monochromacy



## Original Color

75.4461, 76.3786, 105.3738

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

74.5803, 77.4421, 91.9059

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4461, 76.3786, 105.3738 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, 224, 255)` looks like.

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

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

## Border

The CSS property to change the border of an element to XYZ 75.4461, 76.3786, 105.3738 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, 224, 255) }
```



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

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

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

# Background

The CSS property to change the background color of an element to XYZ 75.4461, 76.3786, 105.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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