

# Converting Colors

XYZ(84.1496, 80.3810,  
147.9416)

Have a look what the booklet for  
XYZ(84.1496, 80.3810, 147.9416)  
contains.

<b>XYZ(76.0266, 77.0780, 105.4782)</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(76.0266, 77.0780,  
105.4782)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1E1FF
RGB	225, 225, 255
RGB Percent	88%, 88%, 100%
CMY	0.1176, 0.1176, 0.0000
CMYK	0.12, 0.12, 0.00, 0.00
HSL	240°, 100%, 94%
HSV	240°, 12%, 100%
XYZ	76.0266, 77.0780, 105.4782
YIQ	228.4200, -9.6300, 9.3300

# Conversions

## Conversions Part 2

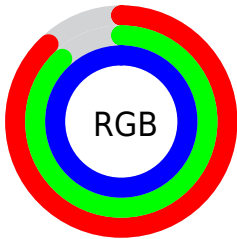
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	225, 225, 255
Decimal	14803455
CIE Lab	90.36, 5.70, -14.52
CIE LCh	90, 15.597, 291.432
Yxy	77.0780, 0.2940, 0.2981
Android (android.graphics.Color)	4292993535 (0xFFE1E1FF)
YUV	228.4200, 13.1039, -2.9993
Hunter-Lab	87.7941, 0.9351, -9.7768

# Details

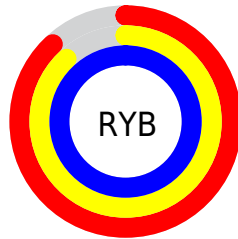
The XYZ color **76.0266, 77.0780, 105.4782** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **90.5901, 98.2147, 85.4186**, and the grayscale version is **73.9642, 77.8161, 84.7417**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1453, 41.3727, 59.2432** is the 20% darker color. If you saturate the color by 10%, you get **62.2771, 60.5117, 103.0053**, and if you desaturate by 10%, it is **91.9967, 96.3211, 108.3508**.

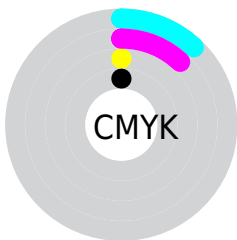
# Distribution



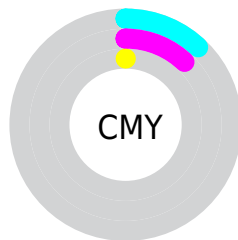
- Red (88%)
- Green (88%)
- Blue (100%)



- 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 76.0266, 77.0780, 105.4782 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 76.0266, 77.0780, 105.4782 by changing the saturation by 10% instead.



■ 76.0266, 77.0780,  
105.4782

■ 76.0266, 77.0780,  
105.4782

470.3817,  
485.0299, 599.0132

■ 56.7515, 57.3169,  
80.2411

126.7447,  
129.2496, 170.7826

■ 41.0451, 41.2597,  
59.3895

158.9183,  
162.4288, 211.6871

■ 28.5421, 28.5221,  
42.5047

196.1221,  
200.8496, 258.6511

■ 18.8773, 18.7196,  
29.1681

238.7215,  
244.8963, 312.0932

■ 11.6851, 11.4678,  
18.9614

287.0818,  
294.9533, 372.4319

■ 6.6003, 6.3824,  
11.4658

341.5684,

■ 3.2575, 3.0790,

351.4049, 440.0857

6.2630

402.5466,  
414.6357, 515.4733

■ 1.2914, 1.1731,  
2.9343

■ 0.1767, 0.0396,  
1.0612

■ 76.0266, 77.0780,  
105.4782

■ 76.0266, 77.0780,  
105.4782

■ 62.2771, 60.5117,  
103.0053

■ 91.9967, 96.3211,  
108.3508

■ 50.6440, 46.4948,  
100.9129

95.0500, 100.0000,  
108.9000

■ 41.0242, 34.9036,  
99.1826

■ 33.3034, 25.6006,  
97.7939

■ 27.3560, 18.4342,  
96.7241

■ 23.0412, 13.2350,  
95.9479

■ 20.1970, 9.8075,  
95.4363

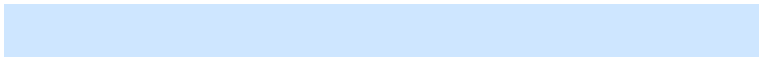
■ 18.6279, 7.9166,  
95.1540

■ 18.0502, 7.2205,  
95.0501

# Harmonies

## Analogous

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



72.1520, 77.0780, 106.9310



76.0266, 77.0780, 105.4782



79.2635, 77.0780, 97.9959

# Triad

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



76.0266, 77.0780, 105.4782



78.0215, 77.0780, 68.2704



66.1125, 77.0780, 80.7747

# Complementary

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



76.0266, 77.0780, 105.4782



90.5901, 98.2147, 85.4186

# Split Complementary

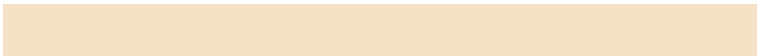
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



67.5682, 77.0780, 71.2697



76.0266, 77.0780, 105.4782



74.3800, 77.0780, 64.4805

# Square

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



76.0266, 77.0780, 105.4782



80.4433, 77.0780, 76.3408



70.5620, 77.0780, 65.5278



66.5182, 77.0780, 91.9953



# Rectangle

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



76.0266, 77.0780, 105.4782



80.5794, 77.0780, 90.9301



70.5620, 77.0780, 65.5278



66.3984, 77.0780, 77.2889

# Sweetspot

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



76.0287, 77.0811, 105.4787



88.2287, 91.7809, 107.6731



84.7817, 94.7158, 107.9998



18.6188, 19.3246, 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.



76.0287, 77.0811, 105.4787



72.7644, 73.1480, 104.8916



80.7420, 79.5098, 105.6991



17.0032, 17.3781, 22.7081



9.4317, 3.7730, 49.6657



0.9184, 0.3674, 4.8358

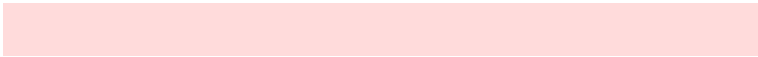


# Inverse Universe

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



81.7572, 80.5483, 82.4761



79.4760, 77.2102, 77.9415



85.4565, 95.5695, 85.1786



18.0095, 17.9871, 18.6673



21.5489, 11.1088, 1.0090

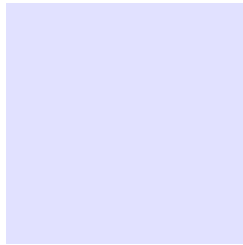


2.0982, 1.0816, 0.0984



# Previews

## White Background



This preview shows how the XYZ color 76.0266, 77.0780, 105.4782 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

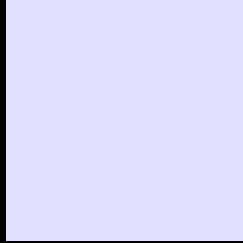
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0266, 77.0780, 105.4782 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

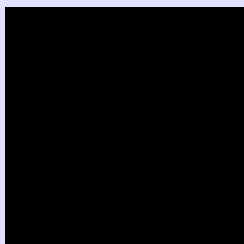
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 76.0266, 77.0780, 105.4782

## Background



This preview shows how black text looks on a background with the XYZ color 76.0266, 77.0780, 105.4782.



This preview shows how white text looks on a background with the XYZ color 76.0266, 77.0780,



# 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

76.0266, 77.0780, 105.4782

### Protanopia

75.6778, 77.3007, 105.5396

### Deuteranopia

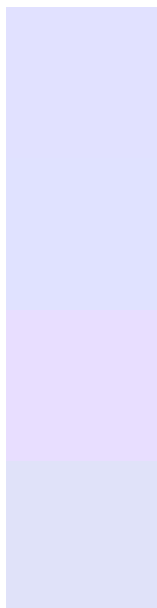
78.4985, 76.7658, 105.2877



## **Tritanopia**

74.3819, 77.2187, 97.3706

# Trichromacy



## Original Color

76.0266, 77.0780, 105.4782

## Protanomaly

75.9868, 77.4600, 105.5541

## Deuteranomaly

77.4500, 76.6184, 105.3145

## Tritanomaly

75.0357, 77.0796, 100.5456

# Monochromacy



## Original Color

76.0266, 77.0780, 105.4782

## 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 76.0266, 77.0780, 105.4782 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(225, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 225, 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(225, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0266, 77.0780, 105.4782 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(225, 225, 255) }
```



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

```
.border{ border-color:rgb(225, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0266, 77.0780, 105.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 225, 255) }
```

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

```
.background{ background-color: rgb(225,  
225, 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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