

# Converting Colors

XYZ(70.7272, 65.9508,  
103.6098)

Have a look what the booklet for  
XYZ(70.7272, 65.9508, 103.6098)  
contains.

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# Color

**XYZ(70.7700, 66.1006,  
103.6365)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2CBFF
RGB	226, 203, 255
RGB Percent	89%, 80%, 100%
CMY	0.1137, 0.2039, 0.0000
CMYK	0.11, 0.20, 0.00, 0.00
HSL	267°, 100%, 90%
HSV	267°, 20%, 100%
XYZ	70.7700, 66.1006, 103.6365
YIQ	215.8050, -2.9840, 21.0480

# Conversions

## Conversions Part 2

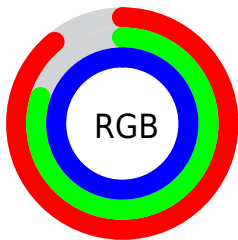
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	226, 203, 255
Decimal	14863359
CIE Lab	85.05, 17.63, -22.51
CIE LCh	85, 28.597, 308.067
Yxy	66.1006, 0.2943, 0.2748
Android (android.graphics.Color)	4293053439 (0xFFE2CBFF)
YUV	215.8050, 19.3231, 8.9410
Hunter-Lab	81.3023, 13.0973, -18.6657

# Details

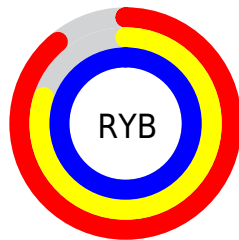
The XYZ color **70.7700, 66.1006, 103.6365** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.8196, 92.9882, 70.2445**, and the grayscale version is **65.0134, 68.3991, 74.4867**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **37.5181, 34.1182, 58.0341** is the 20% darker color. If you saturate the color by 10%, you get **60.9603, 52.8286, 101.5917**, and if you desaturate by 10%, it is **81.9437, 81.5494, 106.0295**.

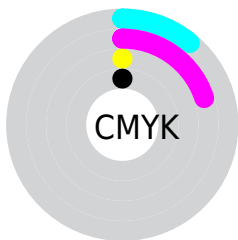
# Distribution



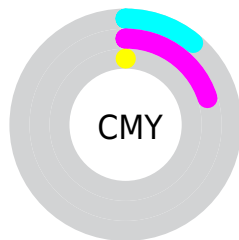
- Red (89%)
- Green (80%)
- Blue (100%)



- Red (89%)
- Yellow (80%)
- Blue (100%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (20%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.7700, 66.1006, 103.6365 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 70.7700, 66.1006, 103.6365 by changing the saturation by 10% instead.



70.7700, 66.1006,  
103.6365

70.7700, 66.1006,  
103.6365

452.4734,  
446.7366, 593.1357

52.4364, 48.3541,  
78.7072

119.3265,  
113.6307, 168.2410

37.5787, 34.1074,  
58.1352

150.2800,  
144.1831, 208.7532

25.8316, 22.9761,  
41.5020

186.1710,  
179.7729, 255.2970

16.8297, 14.5759,  
28.3889

227.3646,  
220.7844, 308.2906

10.2077, 8.5223,  
18.3774

274.2263,  
267.6022, 368.1528

5.6002, 4.4309,  
11.0490

327.1214,

2.6419, 1.9174,

320.6105, 435.3020

5.9852

386.4153,  
380.1939, 510.1568

■ 0.9673, 0.5588,  
2.7675

■ 0.0000, 0.0000,  
0.9772

■ 70.7700, 66.1006,  
103.6365

■ 70.7700, 66.1006,  
103.6365

■ 60.9603, 52.8286,  
101.5917

■ 81.9437, 81.5494,  
106.0295

■ 52.4518, 41.6241,  
99.8775

■ 94.5294, 99.2616,  
108.7849

■ 45.1846, 32.3800,  
98.4762

■ 95.0500, 100.0000,  
108.9000

■ 39.0915, 24.9763,  
97.3683

■ 34.0980, 19.2792,  
96.5318

■ 30.1200, 15.1358,  
95.9417

■ 27.0583, 12.3644,  
95.5682

■ 24.8327, 10.7166,  
95.3674

# Harmonies

## Analogous

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



64.5793, 66.1006, 113.0752



70.7700, 66.1006, 103.6365



75.0195, 66.1006, 86.0390

# Triad

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



70.7700, 66.1006, 103.6365



67.5634, 66.1006, 43.8478



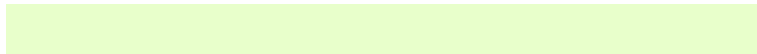
51.3532, 66.1006, 77.0612

# Complementary

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



70.7700, 66.1006, 103.6365



79.8196, 92.9882, 70.2445

# 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.



52.0321, 66.1006, 59.5290



70.7700, 66.1006, 103.6365



61.1060, 66.1006, 42.2754

# Square

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



70.7700, 66.1006, 103.6365



73.0819, 66.1006, 52.2568



55.5011, 66.1006, 47.5199



53.5787, 66.1006, 96.1112



# Rectangle

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



70.7700, 66.1006, 103.6365



76.0242, 66.1006, 73.1746



55.5011, 66.1006, 47.5199



51.2523, 66.1006, 70.7833

# Sweetspot

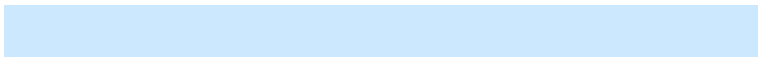
The Sweet Spot groups the original color and five complimentary colors.



70.7719, 66.1033, 103.6369



87.2920, 89.0411, 107.1936



71.6687, 77.8947, 105.8656



18.5100, 18.8139, 22.9058



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.



70.7719, 66.1033, 103.6369



67.0762, 61.0662, 102.8594



79.3833, 70.5426, 104.0399



17.7655, 17.7709, 22.7437



13.1407, 5.6848, 49.8393



1.4026, 0.6170, 4.8584



# Inverse Universe

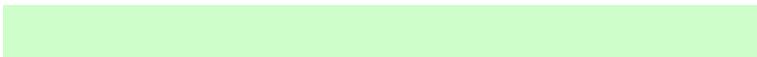
The Inverse Universe completely reimagines the original color for something new.



77.1629, 69.8005, 85.7517



74.4813, 65.3522, 82.0373



72.1247, 89.0214, 69.8844



18.4335, 18.1567, 20.9002



24.1848, 12.1632, 14.8893



2.4098, 1.2063, 1.7393



# Previews

## White Background



This preview shows how the XYZ color 70.7700, 66.1006, 103.6365 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

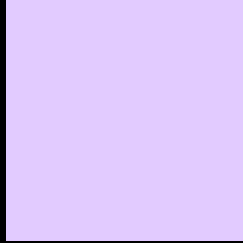
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.7700, 66.1006, 103.6365 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

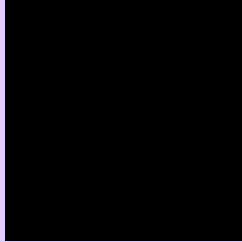
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.7700, 66.1006, 103.6365

## Background



This preview shows how black text looks on a background with the XYZ color 70.7700, 66.1006, 103.6365.



This preview shows how white text looks on a background with the XYZ color 70.7700, 66.1006,



# 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

70.7700, 66.1006, 103.6365

### Protanopia

65.9729, 66.5050, 103.9674

### Deuteranopia

67.8858, 66.4136, 103.0071



## Tritanopia

65.9653, 65.9201, 80.4813

# Trichromacy



## Original Color

70.7700, 66.1006, 103.6365

## Protanomaly

67.4698, 66.1806, 103.8258

## Deuteranomaly

68.8741, 66.2038, 102.9145

## Tritanomaly

67.6431, 65.8867, 88.5091

# Monochromacy



## Original Color

70.7700, 66.1006, 103.6365

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

67.0924, 67.5173, 84.3589

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.7700, 66.1006, 103.6365 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(226, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 203, 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(226, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 203, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.7700, 66.1006, 103.6365 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(226, 203, 255) }
```



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

```
.border{ border-color:rgb(226, 203, 255) }
```

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

Here you see how a box with a 4 pixel rgb(226, 203, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 203,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.7700, 66.1006, 103.6365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 203, 255) }
```

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

```
.background{ background-color: rgb(226,  
203, 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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