

# Converting Colors

XYZ(61.8181, 63.2624,  
101.8464)

Have a look what the booklet for  
XYZ(61.8181, 63.2624, 101.8464)  
contains.

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# Color

**XYZ(61.7714, 63.2800,  
101.8871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<b>BFD0FD</b>
RGB	191, 208, 253
RGB Percent	75%, 82%, 99%
CMY	0.2510, 0.1843, 0.0078
CMYK	0.25, 0.18, 0.00, 0.01
HSL	224°, 94%, 87%
HSV	224°, 25%, 99%
XYZ	61.7714, 63.2800, 101.8871
YIQ	208.0470, -24.5770, 10.3910

# Conversions

## Conversions Part 2

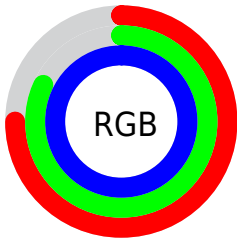
Format	Color
R <sub>Y</sub> B	191, 204, 253
Decimal	12570877
CIE Lab	83.59, 3.83, -23.92
CIE LCh	84, 24.221, 279.106
Yxy	63.2800, 0.2722, 0.2788
Android (android.graphics.Color)	4290760957 (0xFFBFD0FD)
YUV	208.0470, 22.1618, -14.9502
Hunter-Lab	79.5487, -0.6010, -20.2553

# Details

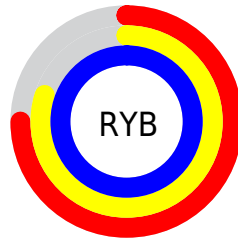
The XYZ color **61.7714, 63.2800, 101.8871** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **79.9083, 84.6356, 61.4167**, and the grayscale version is **59.8586, 62.9759, 68.5808**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **31.6727, 32.3310, 56.7957** is the 20% darker color. If you saturate the color by 10%, you get **51.7295, 51.8389, 100.2091**, and if you desaturate by 10%, it is **73.4346, 76.3294, 103.7922**.

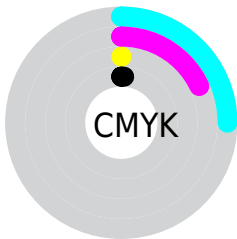
# Distribution



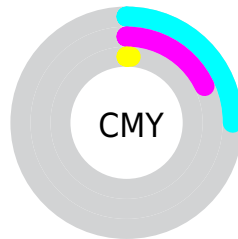
- Red (75%)
- Green (82%)
- Blue (99%)



- Red (75%)
- Yellow (80%)
- Blue (99%)



- Cyan (25%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)



- Cyan (25%)
- Magenta (18%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 61.7714, 63.2800, 101.8871 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 61.7714, 63.2800, 101.8871 by changing the saturation by 10% instead.



■ 61.7714, 63.2800,  
101.8871

■ 61.7714, 63.2800,  
101.8871

420.8276,  
436.5850, 587.5244

■ 45.1029, 46.0678,  
77.2518

■ 106.4869,  
109.5734, 165.8225

■ 31.7401, 32.2993,  
56.9468

135.2646,  
139.4233, 205.9597

■ 21.3177, 21.5902,  
40.5534

168.8094,  
174.2546, 252.1014

■ 13.4702, 13.5561,  
27.6533

207.4867,  
214.4516, 304.6659

■ 7.8323, 7.8126,  
17.8277

251.6618,  
260.3987, 364.0720

■ 4.0387, 3.9753,  
10.6582

301.7001,

■ 1.7241, 1.6597,

312.4804, 430.7380

5.7262

357.9669,  
371.0810, 505.0826

■ 0.4713, 0.3974,  
2.6132

■ 0.0000, 0.0000,  
0.8993

■ 61.7714, 63.2800,  
101.8871

■ 61.7714, 63.2800,  
101.8871

■ 51.7295, 51.8389,  
100.2091

■ 73.4346, 76.3294,  
103.7922

■ 43.2289, 41.9340,  
98.7453

■ 86.7823, 91.0400,  
105.9282

■ 36.1913, 33.4991,  
97.4881

94.7298, 99.8719,  
107.2140

■ 30.5291, 26.4597,  
96.4278

■ 26.1446, 20.7341,  
95.5537

■ 22.9260, 16.2309,  
94.8541

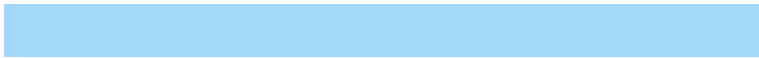
■ 20.7393, 12.8442,  
94.3157

■ 19.8813, 11.3948,  
94.0812

# Harmonies

## Analogous

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



56.5874, 63.2800, 99.8886



61.7714, 63.2800, 101.8871



66.7987, 63.2800, 94.0936

# Triad

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



61.7714, 63.2800, 101.8871



68.3969, 63.2800, 52.0978



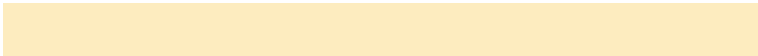
51.1269, 63.2800, 59.0168

# Complementary

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



61.7714, 63.2800, 101.8871



79.9083, 84.6356, 61.4167

# 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.



53.9499, 63.2800, 48.6618



61.7714, 63.2800, 101.8871



63.8502, 63.2800, 45.0932

# Square

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



61.7714, 63.2800, 101.8871



70.7688, 63.2800, 64.3890



58.5489, 63.2800, 43.9350



50.6428, 63.2800, 73.6194



# Rectangle

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



61.7714, 63.2800, 101.8871



69.3120, 63.2800, 84.9826



58.5489, 63.2800, 43.9350



51.8255, 63.2800, 54.9884

# Sweetspot

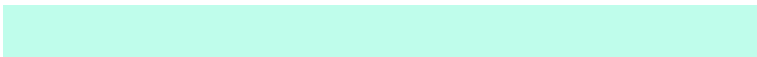
The Sweet Spot groups the original color and five complimentary colors.



61.7734, 63.2825, 101.8885



84.7906, 88.7813, 107.2753



71.6707, 87.3515, 92.0104



17.9681, 18.8044, 22.9325



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.



61.7734, 63.2825, 101.8885



58.0811, 58.9764, 102.9301



61.3829, 57.2540, 100.7455



17.4083, 18.1882, 22.8431



10.6794, 6.2685, 50.0817



1.1263, 0.7833, 4.9051



# Inverse Universe

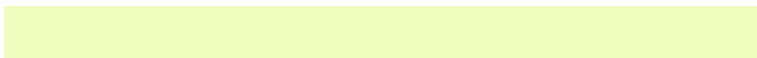
The Inverse Universe completely reimagines the original color for something new.



70.5257, 62.7001, 68.0625



68.3554, 58.5606, 63.1618



80.3188, 92.4629, 62.9059



18.2140, 18.0689, 19.7440



22.1787, 11.3608, 4.3255

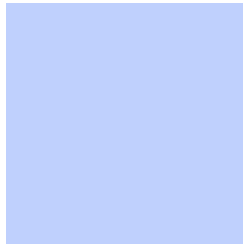


2.2031, 1.1236, 0.6510



# Previews

## White Background



This preview shows how the XYZ color 61.7714, 63.2800, 101.8871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

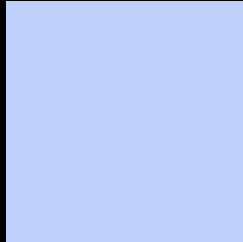
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 61.7714, 63.2800, 101.8871 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 61.7714, 63.2800, 101.8871

## Background



This preview shows how black text looks on a background with the XYZ color 61.7714, 63.2800, 101.8871.



This preview shows how white text looks on a background with the XYZ color 61.7714, 63.2800,



# 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

61.7714, 63.2800, 101.8871

### Protanopia

62.9307, 63.1767, 100.9730

### Deuteranopia

64.6591, 63.3206, 102.5801



## Tritanopia

57.9360, 63.1832, 83.2708

# Trichromacy



## Original Color

61.7714, 63.2800, 101.8871

## Protanomaly

62.3892, 63.2560, 101.0168

## Deuteranomaly

63.5401, 63.0978, 102.5961

## Tritanomaly

59.4659, 63.4529, 90.0024

# Monochromacy



## Original Color

61.7714, 63.2800, 101.8871

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

60.3675, 63.0501, 79.5092

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 61.7714, 63.2800, 101.8871 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(191, 208, 253)` looks like.

```
.text, #text, p{  
    color:rgb(191, 208, 253)  
}
```

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(191, 208, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 208, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 61.7714, 63.2800, 101.8871 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(191, 208, 253) }
```



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

```
.border{ border-color:rgb(191, 208, 253) }
```

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

Here you see how a box with a 4 pixel rgb(191, 208, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 208, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 208, 253);  
box-shadow:4px 4px 4px 4px rgb(191, 208,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 61.7714, 63.2800, 101.8871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 208, 253) }
```

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

```
.background{ background-color: rgb(191,  
208, 253) }
```

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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