

# Converting Colors

XYZ(68.3860, 70.5164,  
104.6144)

Have a look what the booklet for  
XYZ(68.3860, 70.5164, 104.6144)  
contains.

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# Color

**XYZ(68.2982, 70.3419,  
104.5854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDDAFF
RGB	205, 218, 255
RGB Percent	80%, 85%, 100%
CMY	0.1961, 0.1451, 0.0000
CMYK	0.20, 0.15, 0.00, 0.00
HSL	224°, 100%, 90%
HSV	224°, 20%, 100%
XYZ	68.2982, 70.3419, 104.5854
YIQ	218.3310, -19.6250, 8.7510

# Conversions

## Conversions Part 2

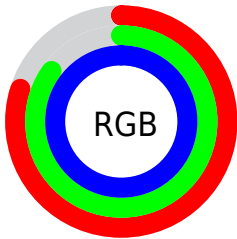
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">205, 215, 255</a>
Decimal	<a href="#">13490943</a>
CIELab	<a href="#">87.16, 3.17, -19.46</a>
CIELCh	<a href="#">87, 19.720, 279.252</a>
Yxy	<a href="#">70.3419, 0.2808, 0.2892</a>
Android (android.graphics.Color)	<a href="#">4291681023 (0xFFCDDAFF)</a>
YUV	<a href="#">218.3310, 18.0778, -11.6913</a>
Hunter-Lab	<a href="#">83.8701, -1.4141, -15.2252</a>

# Details

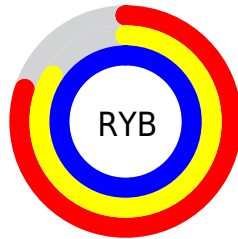
The XYZ color **68.2982, 70.3419, 104.5854** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.0113, 89.1710, 70.5431**, and the grayscale version is **66.7594, 70.2361, 76.4871**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **35.8679, 36.7556, 58.6302** is the 20% darker color. If you saturate the color by 10%, you get **57.2115, 57.7731, 102.7437**, and if you desaturate by 10%, it is **81.0922, 84.6213, 106.6673**.

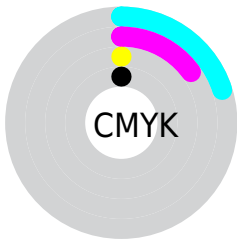
# Distribution



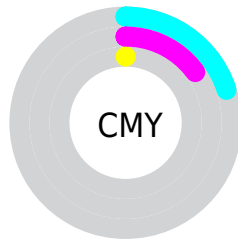
- Red (80%)
- Green (85%)
- Blue (100%)



- Red (80%)
- Yellow (84%)
- Blue (100%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (15%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.2982, 70.3419, 104.5854 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 68.2982, 70.3419, 104.5854 by changing the saturation by 10% instead.



■ 68.2982, 70.3419,  
104.5854

■ 68.2982, 70.3419,  
104.5854

443.9120,  
461.7496, 596.1678

■ 50.4149, 51.8053,  
79.4973

115.8182,  
119.6962, 169.5511

■ 35.9623, 36.8499,  
58.7811

146.1857,  
151.2827, 210.2657

■ 24.5751, 25.0913,  
42.0181

181.4452,  
187.9880, 257.0264

■ 15.8878, 16.1451,  
28.7898

221.9622,  
230.1964, 310.2515

■ 9.5351, 9.6269,  
18.6776

268.1021,  
278.2924, 370.3597

■ 5.1517, 5.1523,  
11.2631

320.2301,

■ 2.3722, 2.3369,

332.6603, 437.7694

6.1277

378.7116,  
393.6846, 512.8992

■ 0.8312, 0.7931,  
2.8528

■ 0.0000, 0.0000,  
1.0200

■ 68.2982, 70.3419,  
104.5854

■ 68.2982, 70.3419,  
104.5854

■ 57.2115, 57.7731,  
102.7437

■ 81.0922, 84.6213,  
106.6673

■ 47.7522, 46.8408,  
101.1321

95.0500, 100.0000,  
108.9000

■ 39.8425, 37.4776,  
99.7417

■ 33.3959, 29.6078,  
98.5625

■ 28.3166, 23.1493,  
97.5836

■ 24.4968, 18.0111,  
96.7931

■ 21.8107, 14.0897,  
96.1778

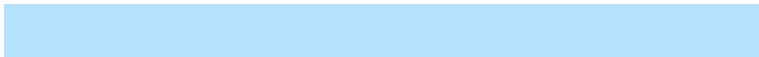
■ 20.0730, 11.2474,  
95.7207

■ 20.0166, 11.1532,  
95.7055

# Harmonies

## Analogous

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



63.7560, 70.3419, 102.9683



68.2982, 70.3419, 104.5854



72.6454, 70.3419, 98.0593

# Triad

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



68.2982, 70.3419, 104.5854



73.9852, 70.3419, 61.5760



58.8799, 70.3419, 67.9156

# Complementary

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



68.2982, 70.3419, 104.5854



84.0113, 89.1710, 70.5431

# 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.



61.3861, 70.3419, 58.5087



68.2982, 70.3419, 104.5854



70.0588, 70.3419, 55.1523

# Square

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



68.2982, 70.3419, 104.5854



76.0271, 70.3419, 72.5672



65.4379, 70.3419, 54.0981



58.4572, 70.3419, 80.7595



# Rectangle

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



68.2982, 70.3419, 104.5854



74.7975, 70.3419, 90.3669



65.4379, 70.3419, 54.0981



59.5009, 70.3419, 64.2904

# Sweetspot

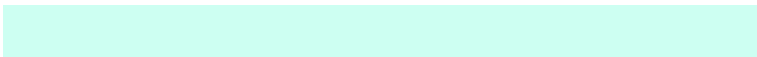
The Sweet Spot groups the original color and five complimentary colors.



68.3001, 70.3447, 104.5858



86.1375, 90.2010, 107.4783



76.9146, 90.8903, 97.2325



18.2377, 19.0868, 22.9728



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.



68.3001, 70.3447, 104.5858



63.2232, 64.6156, 103.7476



68.3988, 65.5849, 103.6619



17.3870, 18.1456, 22.8360



10.5608, 6.0312, 50.0421



1.1123, 0.7553, 4.9004



# Inverse Universe

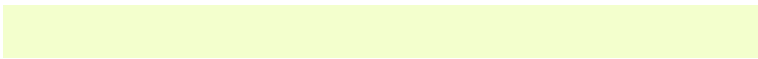
The Inverse Universe completely reimagines the original color for something new.



75.7274, 69.9861, 75.8502



72.0847, 64.3936, 69.4168



83.8573, 95.0421, 71.6845



18.2032, 18.0646, 19.6874



22.1188, 11.3368, 4.0102



2.1960, 1.1208, 0.6138



# Previews

## White Background



This preview shows how the XYZ color 68.2982, 70.3419, 104.5854 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

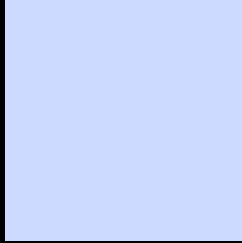
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.2982, 70.3419, 104.5854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

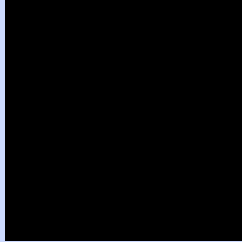
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 68.2982, 70.3419, 104.5854

## Background



This preview shows how black text looks on a background with the XYZ color 68.2982, 70.3419, 104.5854.



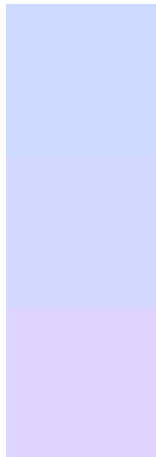
This preview shows how white text looks on a background with the XYZ color 68.2982, 70.3419,



# 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

68.2982, 70.3419, 104.5854

### Protanopia

69.3092, 70.1164, 103.6468

### Deuteranopia

71.6630, 70.1807, 104.3769



## Tritanopia

65.6462, 70.4425, 91.0258

# Trichromacy



## Original Color

68.2982, 70.3419, 104.5854

## Protanomaly

68.9967, 70.3368, 103.7058

## Deuteranomaly

70.3748, 70.2680, 104.4617

## Tritanomaly

66.5509, 70.4146, 95.6717

# Monochromacy



## Original Color

68.2982, 70.3419, 104.5854

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

66.9358, 70.0585, 85.5960

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.2982, 70.3419, 104.5854 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(205, 218, 255)` looks like.

```
.text, #text, p{  
    color:rgb(205, 218, 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(205, 218, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 218, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 68.2982, 70.3419, 104.5854 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".

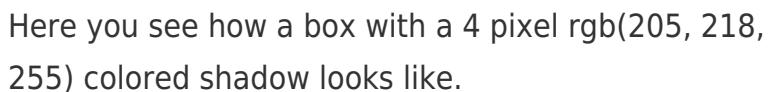
```
.border, #border, table{ border:4px solid rgb(205, 218, 255) }
```



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

```
.border{ border-color:rgb(205, 218, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(205, 218, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 218, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 218, 255);  
box-shadow:4px 4px 4px 4px rgb(205, 218,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.2982, 70.3419, 104.5854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 218, 255) }
```

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

```
.background{ background-color: rgb(205,  
218, 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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