

# Converting Colors

XYZ(69.8543, 76.3034,  
104.5954)

Have a look what the booklet for  
XYZ(69.8543, 76.3034, 104.5954)  
contains.

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# Color

**XYZ(70.0185, 76.4497,  
104.8318)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7E7FE
RGB	199, 231, 254
RGB Percent	78%, 91%, 100%
CMY	0.2196, 0.0941, 0.0039
CMYK	0.22, 0.09, 0.00, 0.00
HSL	205°, 96%, 89%
HSV	205°, 22%, 100%
XYZ	70.0185, 76.4497, 104.8318
YIQ	224.0540, -26.4550, 0.3690

# Conversions

## Conversions Part 2

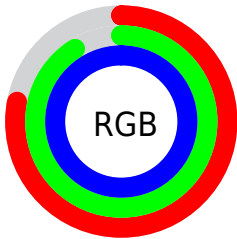
Format	Color
R <sub>Y</sub> B	199, 219, 254
Decimal	13101054
CIE Lab	90.07, -5.62, -14.61
CIE LCh	90, 15.655, 248.980
Yxy	76.4497, 0.2786, 0.3042
Android (android.graphics.Color)	4291291134 (0xFFC7E7FE)
YUV	224.0540, 14.7634, -21.9724
Hunter-Lab	87.4355, -10.0691, -9.8815

# Details

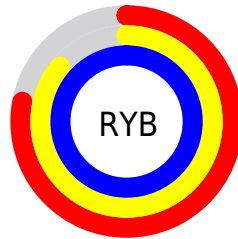
The XYZ color **70.0185, 76.4497, 104.8318** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **77.3039, 77.4371, 64.9071**, and the grayscale version is **70.8034, 74.4907, 81.1203**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **36.9096, 40.6205, 58.7185** is the 20% darker color. If you saturate the color by 10%, you get **60.9509, 67.4972, 103.5830**, and if you desaturate by 10%, it is **80.3959, 86.3491, 106.1969**.

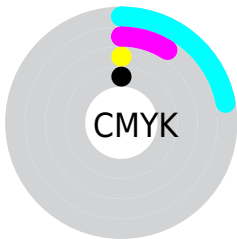
# Distribution



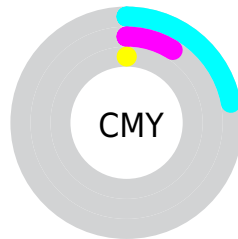
- Red (78%)
- Green (91%)
- Blue (100%)



- Red (78%)
- Yellow (86%)
- Blue (100%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0185, 76.4497, 104.8318 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 70.0185, 76.4497, 104.8318 by changing the saturation by 10% instead.



■ 70.0185, 76.4497,  
104.8318

■ 70.0185, 76.4497,  
104.8318

449.8804,  
482.8857, 596.9538

■ 51.8213, 56.8013,  
79.7026

118.2613,  
128.3624, 169.8911

■ 37.0863, 40.8458,  
58.9489

149.0375,  
161.3955, 210.6582

■ 25.4483, 28.1986,  
42.1523

184.7375,  
199.6590, 257.4750

■ 16.5419, 18.4754,  
28.8941

225.7265,  
243.5372, 310.7601

■ 10.0017, 11.2918,  
18.7558

272.3699,  
293.4146, 370.9320

■ 5.4623, 6.2635,  
11.3189

325.0331,

■ 2.5585, 3.0060,

349.6756, 438.4092

6.1649

384.0815,  
412.7045, 513.6103

■ 0.9249, 1.1348,  
2.8752

■ 0.0000, 0.0075,  
1.0313

■ 70.0185, 76.4497,  
104.8318

■ 70.0185, 76.4497,  
104.8318

■ 60.9509, 67.4972,  
103.5830

■ 80.3959, 86.3491,  
106.1969

■ 53.1273, 59.4471,  
102.4415

■ 92.1312, 97.2189,  
107.6765

■ 46.4860, 52.2648,  
101.4052

■ 94.8896, 99.9359,  
108.0555

■ 40.9573, 45.9093,  
100.4699

■ 36.4631, 40.3352,  
99.6308

■ 32.9139, 35.4912,  
98.8829

■ 30.2027, 31.3166,  
98.2200

■ 28.4474, 28.2713,  
97.7247

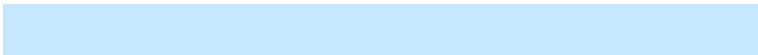
# Harmonies

## Analogous

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



67.0138, 76.4497, 97.4247



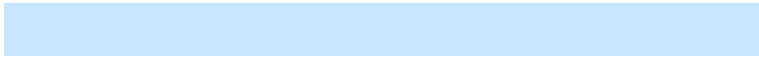
70.0185, 76.4497, 104.8318



73.8344, 76.4497, 106.1911

# Triad

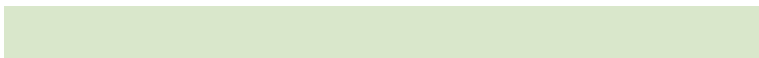
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0185, 76.4497, 104.8318



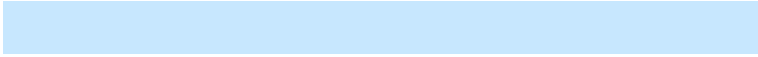
80.2880, 76.4497, 79.9486



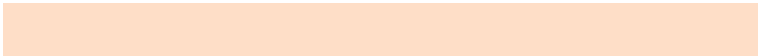
68.0683, 76.4497, 67.7044

# Complementary

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



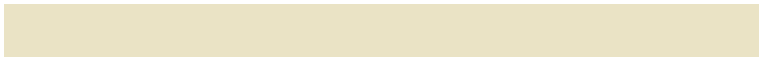
70.0185, 76.4497, 104.8318



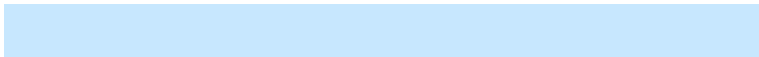
77.3039, 77.4371, 64.9071

# Split Complementary

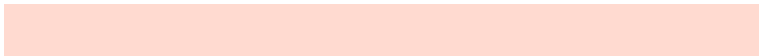
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5043, 76.4497, 63.8610



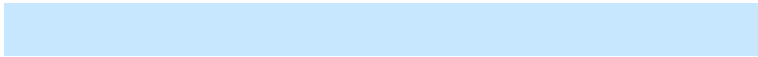
70.0185, 76.4497, 104.8318



78.6214, 76.4497, 70.5049

# Square

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



70.0185, 76.4497, 104.8318



79.8556, 76.4497, 91.1464



75.3736, 76.4497, 64.8385

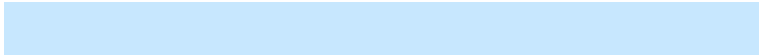


65.9161, 76.4497, 75.8059



# Rectangle

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



70.0185, 76.4497, 104.8318



76.3398, 76.4497, 103.3762



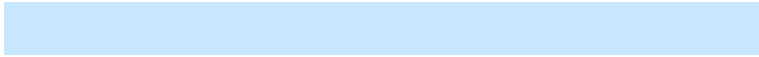
75.3736, 76.4497, 64.8385



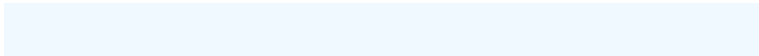
69.1065, 76.4497, 65.9059

# Sweetspot

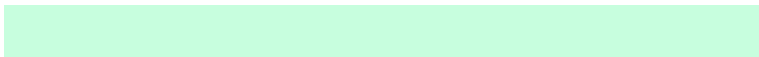
The Sweet Spot groups the original color and five complimentary colors.



70.0208, 76.4528, 104.8335



87.6364, 93.1987, 107.9780



72.1702, 88.2966, 82.2895



18.5916, 19.7946, 23.0908



0.0000, 0.0000, 0.0000

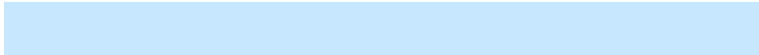


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0208, 76.4528, 104.8335



66.5070, 73.0907, 105.2104



62.9382, 62.2876, 102.4727



17.8811, 19.1338, 23.0007



15.1468, 15.2031, 51.5708



1.5828, 1.6963, 5.0573



# Inverse Universe

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



75.7221, 67.6891, 84.6791



73.2766, 63.0877, 81.1892



85.1878, 93.2050, 67.5351



18.4526, 18.1644, 21.0008



24.4336, 12.2627, 16.1996

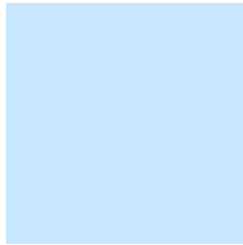


2.4335, 1.2158, 1.8644



# Previews

## White Background



This preview shows how the XYZ color 70.0185, 76.4497, 104.8318 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

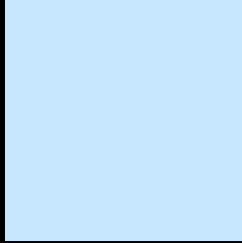
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0185, 76.4497, 104.8318 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

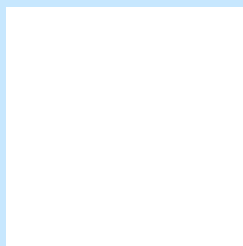
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.0185, 76.4497, 104.8318

## Background



This preview shows how black text looks on a background with the XYZ color 70.0185, 76.4497, 104.8318.



This preview shows how white text looks on a background with the XYZ color 70.0185, 76.4497,



# 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

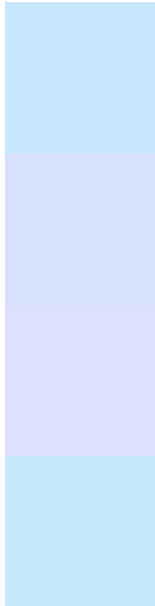




## Tritanopia

69.4006, 76.6211, 101.5740

# Trichromacy



**Original Color**

70.0185, 76.4497, 104.8318

**Protanomaly**

72.6132, 76.1993, 102.1476

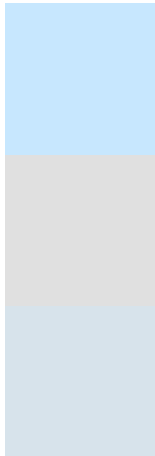
**Deuteranomaly**

74.7940, 76.4426, 105.4206

**Tritanomaly**

69.5579, 76.6840, 102.4022

# Monochromacy



**Original Color**

70.0185, 76.4497, 104.8318

**Achromatopsia**

70.8507, 74.5404, 81.1745

**Achromatomaly**

70.4888, 75.3834, 89.4326

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0185, 76.4497, 104.8318 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(199, 231, 254)` looks like.

```
.text, #text, p{  
    color:rgb(199, 231, 254)  
}
```

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(199, 231, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 231, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0185, 76.4497, 104.8318 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(199, 231, 254) }
```



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

```
.border{ border-color:rgb(199, 231, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 231, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 231, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 231, 254);  
box-shadow:4px 4px 4px 4px rgb(199, 231,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0185, 76.4497, 104.8318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 231, 254) }
```

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

```
.background{ background-color: rgb(199,  
231, 254) }
```

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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