

# Converting Colors

XYZ(67.0830, 74.1641,  
104.2031)

Have a look what the booklet for  
XYZ(67.0830, 74.1641, 104.2031)  
contains.

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# **Color**

**XYZ(67.1439, 74.1415,  
104.5378)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BEE5FE
RGB	190, 229, 254
RGB Percent	75%, 90%, 100%
CMY	0.2549, 0.1019, 0.0039
CMYK	0.25, 0.10, 0.00, 0.00
HSL	203°, 97%, 87%
HSV	203°, 25%, 100%
XYZ	67.1439, 74.1415, 104.5378
YIQ	220.1890, -31.2690, -0.4930

# Conversions

## Conversions Part 2

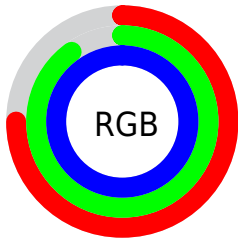
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	190, 214, 254
Decimal	12510718
CIE Lab	88.99, -7.23, -16.29
CIE LCh	89, 17.821, 246.054
Yxy	74.1415, 0.2731, 0.3016
Android (android.graphics.Color)	4290700798 (0xFFBEE5FE)
YUV	220.1890, 16.6688, -26.4758
Hunter-Lab	86.1055, -11.4926, -11.7082

# Details

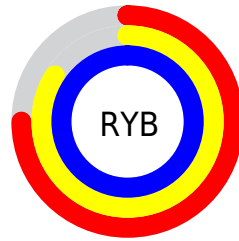
The XYZ color **67.1439, 74.1415, 104.5378** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4687, 73.3899, 58.9577**, and the grayscale version is **68.0642, 71.6088, 77.9820**.

A 20% lighter version of the original color is **92.1678, 98.5142, 108.7651**, and **35.2058, 39.4542, 58.5832** is the 20% darker color. If you saturate the color by 10%, you get **58.6775, 65.8193, 103.3789**, and if you desaturate by 10%, it is **76.8772, 83.3534, 105.8041**.

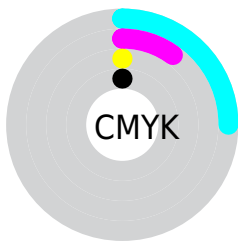
# Distribution



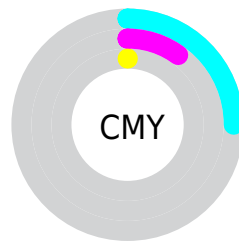
- Red (75%)
- Green (90%)
- Blue (100%)



- Red (75%)
- Yellow (84%)
- Blue (100%)



- Cyan (25%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (10%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.1439, 74.1415, 104.5378 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 67.1439, 74.1415, 104.5378 by changing the saturation by 10% instead.



67.1439, 74.1415,  
104.5378

67.1439, 74.1415,  
104.5378

439.8812,  
474.9616, 596.0158

49.4727, 54.9099,  
79.4577

114.1752,  
125.0964, 169.4854

35.2107, 39.3296,  
58.7487

144.2661,  
157.5884, 210.1899

23.9925, 27.0162,  
41.9921

179.2276,  
195.2693, 256.9397

15.4528, 17.5854,  
28.7696

219.4250,  
238.5236, 310.1532

9.2261, 10.6527,  
18.6625

265.2237,  
287.7355, 370.2491

4.9473, 5.8338,  
11.2523

316.9891,

2.2508, 2.7443,

343.2896, 437.6458

6.1205

375.0865,  
405.5701, 512.7618

■ 0.7693, 0.9997,  
2.8485

■ 0.0000, 0.0000,  
1.0178

■ 67.1439, 74.1415,  
104.5378

■ 67.1439, 74.1415,  
104.5378

■ 58.6775, 65.8193,  
103.3789

■ 76.8772, 83.3534,  
105.8041

■ 51.4113, 58.3430,  
102.3188

■ 87.9264, 93.4785,  
107.1761

■ 45.2824, 51.6781,  
101.3554

■ 94.8896, 99.9359,  
108.0555

■ 40.2189, 45.7835,  
100.4845

■ 36.1400, 40.6132,  
99.7015

■ 32.9515, 36.1147,  
99.0013

■ 30.5383, 32.2239,  
98.3775

■ 29.5763, 30.5292,  
98.1010

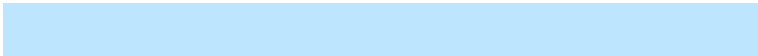
# Harmonies

## Analogous

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



63.9505, 74.1415, 95.5890



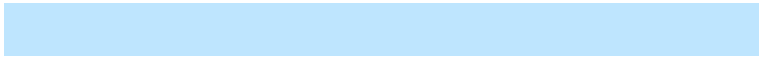
67.1439, 74.1415, 104.5378



71.3509, 74.1415, 106.8347

# Triad

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



67.1439, 74.1415, 104.5378



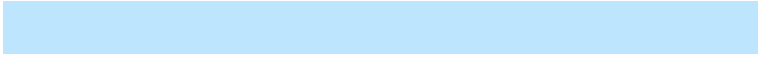
79.0766, 74.1415, 78.2390



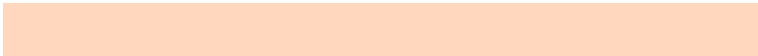
65.6822, 74.1415, 62.9447

# Complementary

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



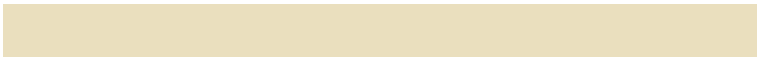
67.1439, 74.1415, 104.5378



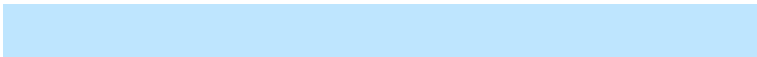
74.4687, 73.3899, 58.9577

# 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.



69.5949, 74.1415, 59.2629



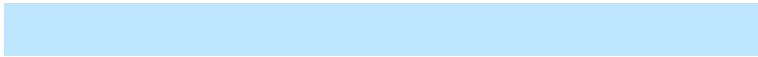
67.1439, 74.1415, 104.5378



77.4166, 74.1415, 67.4922

# Square

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



67.1439, 74.1415, 104.5378



78.3551, 74.1415, 90.7968



73.9027, 74.1415, 60.8385



63.1311, 74.1415, 71.4316



# Rectangle

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



67.1439, 74.1415, 104.5378



74.1895, 74.1415, 104.0981



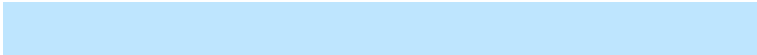
73.9027, 74.1415, 60.8385



66.8756, 74.1415, 61.1459

# Sweetspot

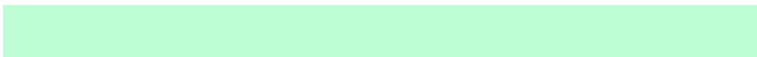
The Sweet Spot groups the original color and five complimentary colors.



67.1462, 74.1445, 104.5395



85.4496, 91.3553, 107.7374



68.8844, 86.7146, 77.0847



17.9244, 19.2204, 23.0151



0.0000, 0.0000, 0.0000

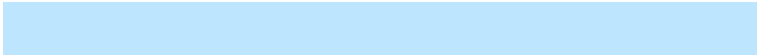


20.3446, 21.4041, 23.3091

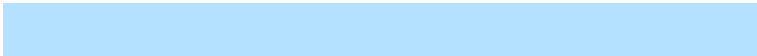


# Same Dimension

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



67.1462, 74.1445, 104.5395



63.4827, 70.6596, 104.9005



59.1987, 58.2495, 101.8903



17.9244, 19.2204, 23.0151



15.7405, 16.3906, 51.7687



1.6389, 1.8085, 5.0760



# Inverse Universe

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



73.4312, 63.5568, 82.5294



70.8671, 58.7429, 78.9234



83.2869, 91.0264, 61.8972



18.4745, 18.1731, 21.1158



24.7333, 12.3826, 17.7777

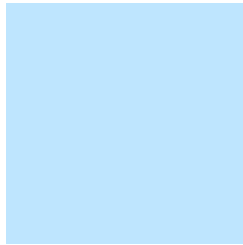


2.4619, 1.2271, 2.0136



# Previews

## White Background



This preview shows how the XYZ color 67.1439, 74.1415, 104.5378 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

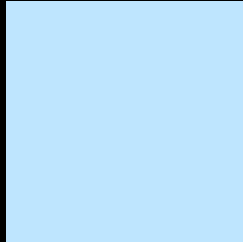
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.1439, 74.1415, 104.5378 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

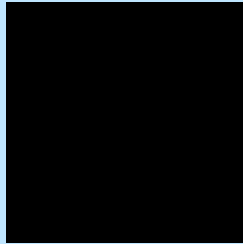
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

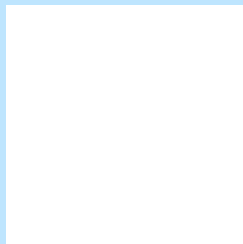
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.1439, 74.1415, 104.5378

## Background



This preview shows how black text looks on a background with the XYZ color 67.1439, 74.1415, 104.5378.



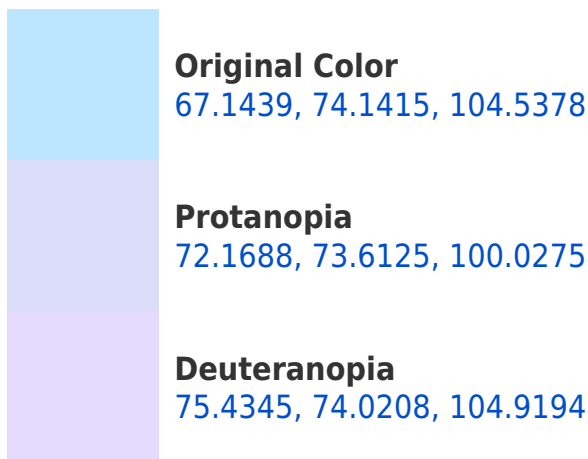
This preview shows how white text looks on a background with the XYZ color 67.1439, 74.1415,



# 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

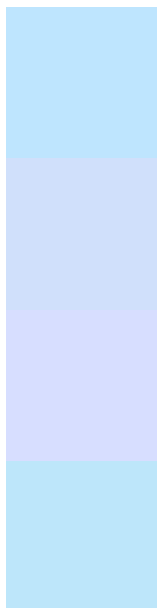




## Tritanopia

66.2264, 74.1898, 99.6365

# Trichromacy



## Original Color

67.1439, 74.1415, 104.5378

## Protanomaly

70.0807, 73.6862, 101.7960

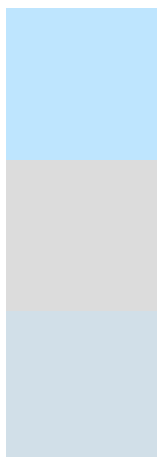
## Deuteranomaly

72.1956, 73.9096, 105.0686

## Tritanomaly

66.5384, 74.3146, 101.2797

# Monochromacy



## Original Color

67.1439, 74.1415, 104.5378

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

67.2477, 72.1569, 86.7273

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.1439, 74.1415, 104.5378 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(190, 229, 254)` looks like.

```
.text, #text, p{  
    color:rgb(190, 229, 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(190, 229, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 229, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 67.1439, 74.1415, 104.5378 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(190, 229, 254) }
```



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

```
.border{ border-color:rgb(190, 229, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 229, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(190, 229, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(190, 229, 254); box-shadow:4px 4px 4px 4px rgb(190, 229, 254) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.1439, 74.1415, 104.5378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 229, 254) }
```

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

```
.background{ background-color: rgb(190,  
229, 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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