

# Converting Colors

XYZ(67.4834, 73.8156,  
102.5525)

Have a look what the booklet for  
XYZ(67.4834, 73.8156, 102.5525)  
contains.

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# Color

**XYZ(67.5622, 73.9844,  
102.8150)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2E4FC
RGB	194, 228, 252
RGB Percent	76%, 89%, 99%
CMY	0.2392, 0.1059, 0.0118
CMYK	0.23, 0.10, 0.00, 0.01
HSL	205°, 91%, 87%
HSV	205°, 23%, 99%
XYZ	67.5622, 73.9844, 102.8150
YIQ	220.5700, -27.9680, 0.2560

# Conversions

## Conversions Part 2

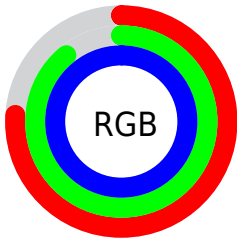
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	194, 215, 252
Decimal	12772604
CIE Lab	88.92, -5.99, -15.33
CIE LCh	89, 16.455, 248.650
Yxy	73.9844, 0.2765, 0.3028
Android (android.graphics.Color)	4290962684 (0xFFC2E4FC)
YUV	220.5700, 15.4950, -23.3019
Hunter-Lab	86.0142, -10.3171, -10.6610

# Details

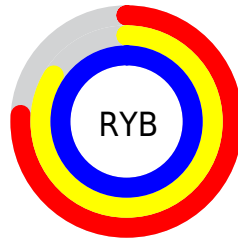
The XYZ color **67.5622, 73.9844, 102.8150** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.9547, 74.7336, 61.5151**, and the grayscale version is **68.3366, 71.8954, 78.2941**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **35.4414, 39.3162, 57.3506** is the 20% darker color. If you saturate the color by 10%, you get **58.8529, 65.3658, 101.6117**, and if you desaturate by 10%, it is **77.5457, 83.5204, 104.1307**.

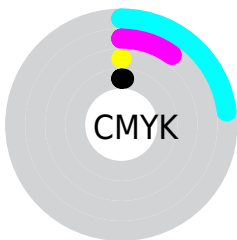
# Distribution



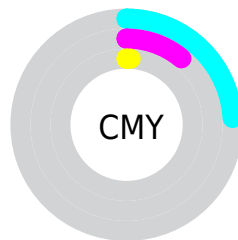
- Red (76%)
- Green (89%)
- Blue (99%)



- Red (76%)
- Yellow (84%)
- Blue (99%)



- Cyan (23%)
- Magenta (10%)
- Yellow (0%)
- Black (1%)



- Cyan (24%)
- Magenta (11%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.5622, 73.9844, 102.8150 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 67.5622, 73.9844, 102.8150 by changing the saturation by 10% instead.



67.5622, 73.9844,  
102.8150

67.5622, 73.9844,  
102.8150

441.3444,  
474.4195, 590.5042

49.8140, 54.7813,  
78.0236

114.7710,  
124.8737, 167.1058

35.4828, 39.2266,  
57.5768

144.9623,  
157.3286, 207.4423

24.2033, 26.9361,  
41.0561

180.0320,  
194.9697, 253.7975

15.6101, 17.5252,  
28.0429

220.3455,  
238.1811, 306.5901

9.3377, 10.6097,  
18.1187

266.2681,  
287.3475, 366.2385

5.0210, 5.8050,  
10.8649

318.1653,

2.2945, 2.7269,

342.8530, 433.1613

5.8630

376.4022,  
405.0823, 507.7770

■ 0.7918, 0.9909,  
2.6945

■ 0.0000, 0.0000,  
0.9407

■ 67.5622, 73.9844,  
102.8150

■ 67.5622, 73.9844,  
102.8150

■ 58.8529, 65.3658,  
101.6117

■ 77.5457, 83.5204,  
104.1307

■ 51.3528, 57.6210,  
100.5121

■ 88.8509, 93.9971,  
105.5570

■ 45.0008, 50.7159,  
99.5141

■ 94.5709, 99.8084,  
106.3772

■ 39.7275, 44.6098,  
98.6134

■ 35.4552, 39.2578,  
97.8055

■ 32.0945, 34.6089,  
97.0853

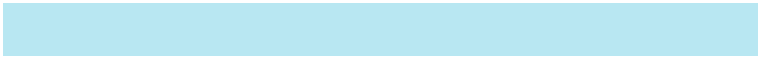
■ 29.5375, 30.6021,  
96.4467

■ 28.1195, 28.1255,  
96.0434

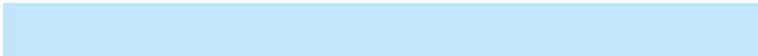
# Harmonies

## Analogous

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



64.4939, 73.9844, 95.0812



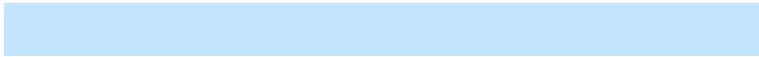
67.5622, 73.9844, 102.8150



71.4807, 73.9844, 104.3031

# Triad

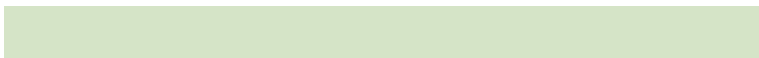
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



67.5622, 73.9844, 102.8150



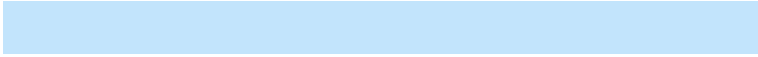
78.1849, 73.9844, 77.2953



65.6340, 73.9844, 64.5785

# Complementary

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



67.5622, 73.9844, 102.8150



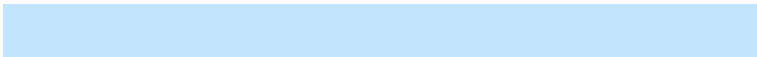
74.9547, 74.7336, 61.5151

# 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.



69.1718, 73.9844, 60.7188



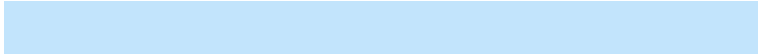
67.5622, 73.9844, 102.8150



76.4867, 73.9844, 67.5917

# Square

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



67.5622, 73.9844, 102.8150



77.7142, 73.9844, 88.8280



73.1517, 73.9844, 61.7672

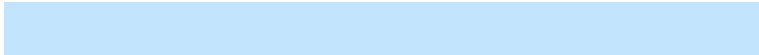


63.4103, 73.9844, 72.8150



# Rectangle

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



67.5622, 73.9844, 102.8150



74.0648, 73.9844, 101.4296



73.1517, 73.9844, 61.7672



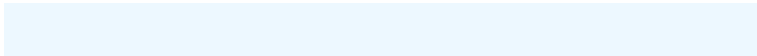
66.7035, 73.9844, 62.7634

# Sweetspot

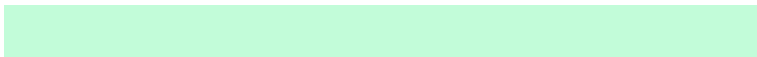
The Sweet Spot groups the original color and five complimentary colors.



67.5644, 73.9874, 102.8167



86.4742, 92.1484, 107.8365



69.6104, 86.1117, 78.7360



18.3577, 19.5835, 23.0624



0.0000, 0.0000, 0.0000

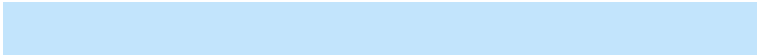


20.3446, 21.4041, 23.3091

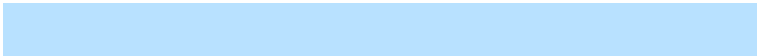


# Same Dimension

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



67.5644, 73.9874, 102.8167



64.7708, 71.4596, 104.9870



60.4284, 59.7153, 100.4380



17.1287, 18.3342, 22.0214



14.7964, 14.9484, 50.0790



1.4749, 1.5935, 4.6730



# Inverse Universe

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



73.4421, 64.8822, 82.0548



71.9507, 60.8363, 79.5128



82.9005, 90.6252, 64.1637



17.6715, 17.3960, 20.1258



23.7606, 11.9200, 15.9795

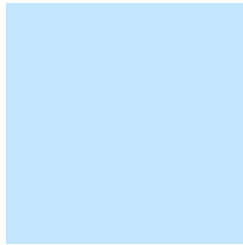


2.2534, 1.1251, 1.7578



# Previews

## White Background



This preview shows how the XYZ color 67.5622, 73.9844, 102.8150 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

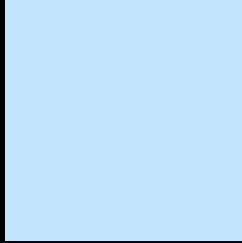
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.5622, 73.9844, 102.8150 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

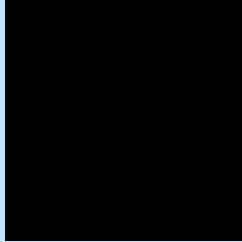
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

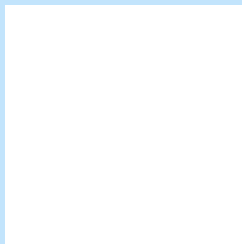
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 67.5622, 73.9844, 102.8150

## Background



This preview shows how black text looks on a background with the XYZ color 67.5622, 73.9844, 102.8150.



This preview shows how white text looks on a background with the XYZ color 67.5622, 73.9844,



# 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

67.5622, 73.9844, 102.8150

### Protanopia

72.0131, 73.5503, 99.2081

### Deuteranopia

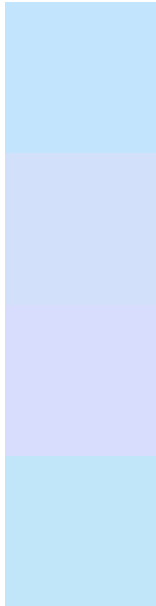
75.3354, 73.6045, 104.0024



## **Tritanopia**

66.8001, 74.0915, 98.7760

# Trichromacy



**Original Color**

67.5622, 73.9844, 102.8150

**Protanomaly**

70.3329, 73.8525, 100.1706

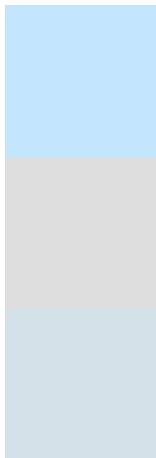
**Deuteranomaly**

72.2013, 73.5565, 103.3209

**Tritanomaly**

67.1105, 74.2156, 100.4105

# Monochromacy



**Original Color**

67.5622, 73.9844, 102.8150

**Achromatopsia**

68.7264, 72.3055, 78.7407

**Achromatomaly**

68.0851, 72.9864, 86.8432

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.5622, 73.9844, 102.8150 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(194, 228, 252)` looks like.

```
.text, #text, p{  
    color:rgb(194, 228, 252)  
}
```

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(194, 228, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 228, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 67.5622, 73.9844, 102.8150 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(194, 228, 252) }
```



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

```
.border{ border-color:rgb(194, 228, 252) }
```

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

Here you see how a box with a 4 pixel rgb(194, 228, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 228, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 228, 252);  
box-shadow:4px 4px 4px 4px rgb(194, 228,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.5622, 73.9844, 102.8150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 228, 252) }
```

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

```
.background{ background-color: rgb(194,  
228, 252) }
```

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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