

# Converting Colors

XYZ(65.5644, 70.4255,  
104.7456)

Have a look what the booklet for  
XYZ(65.5644, 70.4255, 104.7456)  
contains.

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# **Color**

**XYZ(65.6571, 70.5389,  
104.7626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFDEFF
RGB	191, 222, 255
RGB Percent	75%, 87%, 100%
CMY	0.2510, 0.1294, 0.0000
CMYK	0.25, 0.13, 0.00, 0.00
HSL	211°, 100%, 87%
HSV	211°, 25%, 100%
XYZ	65.6571, 70.5389, 104.7626
YIQ	216.4930, -29.0690, 3.6910

# Conversions

## Conversions Part 2

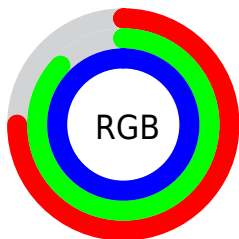
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	191, 212, 255
Decimal	12574463
CIE Lab	87.26, -3.09, -19.41
CIE LCh	87, 19.654, 260.946
Yxy	70.5389, 0.2725, 0.2927
Android (android.graphics.Color)	4290764543 (0xFFBFDEFF)
YUV	216.4930, 18.9840, -22.3574
Hunter-Lab	83.9874, -7.4358, -15.1648

# Details

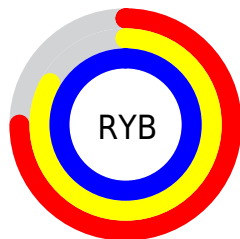
The XYZ color **65.6571, 70.5389, 104.7626** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.2996, 78.3323, 60.3374**, and the grayscale version is **65.4968, 68.9077, 75.0405**.

A 20% lighter version of the original color is **92.5214, 98.6965, 108.7817**, and **34.1651, 36.9489, 58.7572** is the 20% darker color. If you saturate the color by 10%, you get **56.4373, 60.8042, 103.3696**, and if you desaturate by 10%, it is **76.2695, 81.3992, 106.2995**.

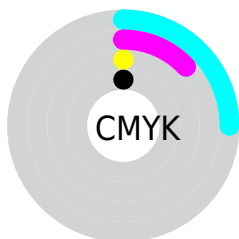
# Distribution



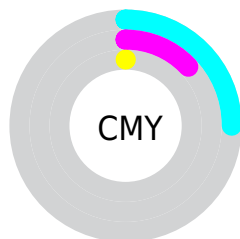
- Red (75%)
- Green (87%)
- Blue (100%)



- Red (75%)
- Yellow (83%)
- Blue (100%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.6571, 70.5389, 104.7626 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 65.6571, 70.5389, 104.7626 by changing the saturation by 10% instead.



■ 65.6571, 70.5389,  
104.7626

■ 65.6571, 70.5389,  
104.7626

434.6575,  
462.4399, 596.7331

■ 48.2608, 51.9660,  
79.6449

■ 112.0545,  
119.9769, 169.7956

■ 34.2456, 36.9780,  
58.9018

141.7863,  
151.6109, 210.5480

■ 23.2461, 25.1904,  
42.1146

176.3606,  
188.3673, 257.3490

■ 14.8970, 16.2190,  
28.8648

216.1428,  
230.6305, 310.6173

■ 8.8330, 9.6793,  
18.7338

261.4982,  
278.7850, 370.7713

■ 4.6886, 5.1868,  
11.3033

312.7923,

■ 2.0986, 2.3573,

333.2151, 438.2295

6.1545

370.3902,  
394.3053, 513.4106

■ 0.6885, 0.8038,  
2.8689

■ 0.0000, 0.0000,  
1.0281

■ 65.6571, 70.5389,  
104.7626

■ 65.6571, 70.5389,  
104.7626

■ 56.4373, 60.8042,  
103.3696

■ 76.2695, 81.3992,  
106.2995

■ 48.5403, 52.1448,  
102.1143

■ 88.3284, 93.4166,  
107.9835

■ 41.8984, 44.5180,  
100.9923

95.0500, 100.0000,  
108.9000

■ 36.4355, 37.8747,  
99.9979

■ 32.0657, 32.1604,  
99.1253

■ 28.6900, 27.3133,  
98.3676

■ 26.1878, 23.2600,  
97.7171

■ 25.1985, 21.5171,  
97.4328

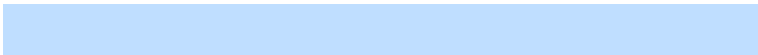
# Harmonies

## Analogous

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



61.6034, 70.5389, 98.2994



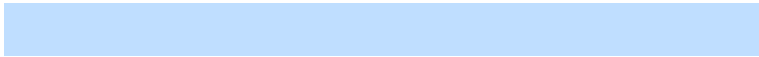
65.6571, 70.5389, 104.7626



70.2706, 70.5389, 103.0940

# Triad

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



65.6571, 70.5389, 104.7626



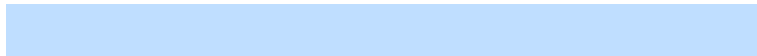
75.6867, 70.5389, 68.0658



60.3818, 70.5389, 61.8673

# Complementary

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



65.6571, 70.5389, 104.7626



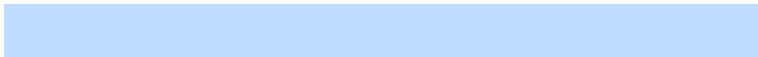
77.2996, 78.3323, 60.3374

# 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.



63.9199, 70.5389, 55.4142



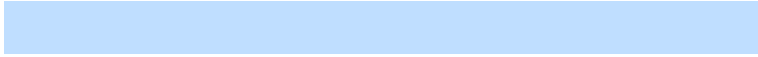
65.6571, 70.5389, 104.7626



72.7982, 70.5389, 58.6970

# Square

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



65.6571, 70.5389, 104.7626



76.2042, 70.5389, 80.8777



68.4525, 70.5389, 54.3242

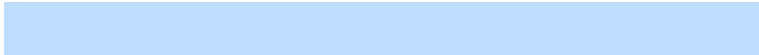


58.6510, 70.5389, 72.8711



# Rectangle

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



65.6571, 70.5389, 104.7626



73.0358, 70.5389, 97.6645



68.4525, 70.5389, 54.3242



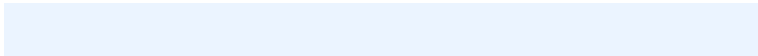
61.3913, 70.5389, 59.1494

# Sweetspot

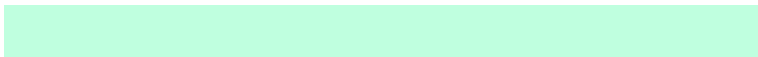
The Sweet Spot groups the original color and five complimentary colors.



65.6591, 70.5416, 104.7630



84.6750, 89.8061, 107.4792



70.5661, 87.9245, 83.0650



17.7293, 18.8301, 22.9501



0.0000, 0.0000, 0.0000

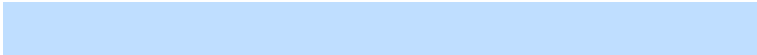


20.3446, 21.4041, 23.3091

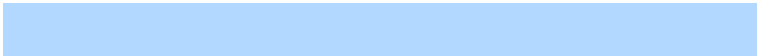


# Same Dimension

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



65.6591, 70.5416, 104.7630



60.9679, 65.6299, 104.0622



58.1681, 55.5596, 102.2660



17.7293, 18.8301, 22.9501



13.3148, 11.5392, 50.9601



1.4052, 1.3411, 4.9981



# Inverse Universe

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



73.0569, 63.7971, 77.5739



69.5977, 58.2352, 72.2390



86.4043, 96.5417, 63.3724



18.3760, 18.1337, 20.5971



23.5089, 11.8929, 11.3302

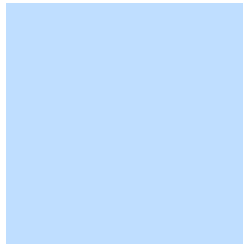


2.3439, 1.1799, 1.3924



# Previews

## White Background



This preview shows how the XYZ color 65.6571, 70.5389, 104.7626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

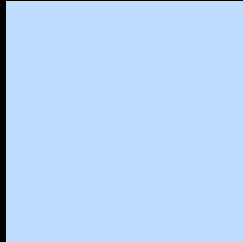
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.6571, 70.5389, 104.7626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

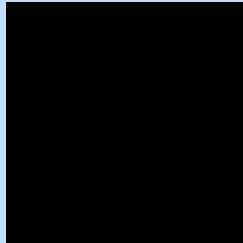
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

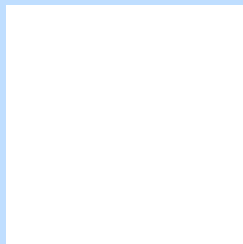
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.6571, 70.5389, 104.7626

## Background



This preview shows how black text looks on a background with the XYZ color 65.6571, 70.5389, 104.7626.



This preview shows how white text looks on a background with the XYZ color 65.6571, 70.5389,



# 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

65.6571, 70.5389, 104.7626

### Protanopia

69.1198, 70.0738, 101.1494

### Deuteranopia

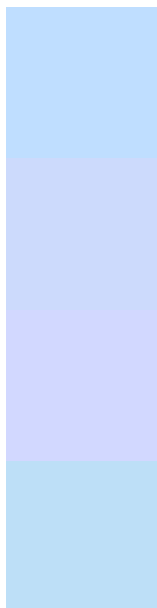
71.6630, 70.1807, 104.3769



## Tritanopia

63.4217, 70.4135, 94.2529

# Trichromacy



## Original Color

65.6571, 70.5389, 104.7626

## Protanomaly

67.5439, 70.0085, 102.0485

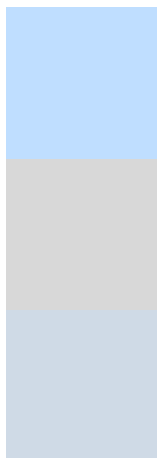
## Deuteranomaly

69.1842, 70.0334, 104.4791

## Tritanomaly

64.1624, 70.3096, 98.1851

# Monochromacy



## Original Color

65.6571, 70.5389, 104.7626

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

65.0865, 69.1214, 84.7742

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.6571, 70.5389, 104.7626 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, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(191, 222, 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(191, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 222, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.6571, 70.5389, 104.7626 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, 222, 255) }
```



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

```
.border{ border-color:rgb(191, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(191, 222,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.6571, 70.5389, 104.7626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 222, 255) }
```

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

```
.background{ background-color: rgb(191,  
222, 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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