

# Converting Colors

XYZ(65.0884, 71.9526,  
105.0655)

Have a look what the booklet for  
XYZ(65.0884, 71.9526, 105.0655)  
contains.

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# Color

**XYZ(65.0135, 71.8031,  
105.0405)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B8E2FF
RGB	184, 226, 255
RGB Percent	72%, 89%, 100%
CMY	0.2784, 0.1137, 0.0000
CMYK	0.28, 0.11, 0.00, 0.00
HSL	205°, 100%, 86%
HSV	205°, 28%, 100%
XYZ	65.0135, 71.8031, 105.0405
YIQ	216.7480, -34.3410, 0.1150

# Conversions

## Conversions Part 2

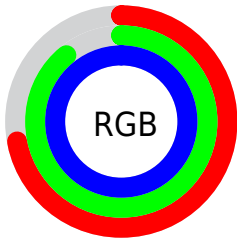
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 210, 255
Decimal	12116735
CIELab	87.87, -7.19, -18.53
CIELCh	88, 19.871, 248.802
Yxy	71.8031, 0.2688, 0.2969
Android (android.graphics.Color)	4290306815 (0xFFB8E2FF)
YUV	216.7480, 18.8582, -28.7200
Hunter-Lab	84.7367, -11.3367, -14.1808

# Details

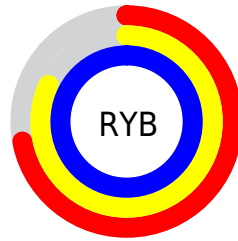
The XYZ color **65.0135, 71.8031, 105.0405** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.6860, 72.3086, 55.4224**, and the grayscale version is **65.6744, 69.0946, 75.2440**.

A 20% lighter version of the original color is **90.0856, 97.4408, 108.6677**, and **33.8092, 37.8702, 58.9538** is the 20% darker color. If you saturate the color by 10%, you get **56.7007, 63.4422, 103.8649**, and if you desaturate by 10%, it is **74.6033, 81.0812, 106.3260**.

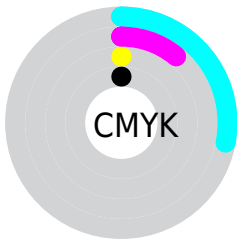
# Distribution



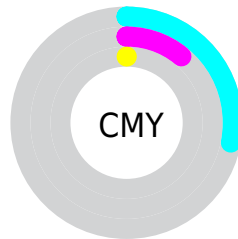
- Red (72%)
- Green (89%)
- Blue (100%)



- Red (72%)
- Yellow (82%)
- Blue (100%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.0135, 71.8031, 105.0405 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 65.0135, 71.8031, 105.0405 by changing the saturation by 10% instead.



65.0135, 71.8031,  
105.0405

65.0135, 71.8031,  
105.0405

432.3849,  
466.8560, 597.6191

47.7368, 52.9978,  
79.8764

111.1349,  
121.7765, 170.1790

33.8289, 37.8011,  
59.0911

140.7102,  
153.7135, 210.9905

22.9244, 25.8283,  
42.2660

175.1158,  
190.7966, 257.8548

14.6581, 16.6952,  
28.9825

214.7170,  
233.4100, 311.1907

8.6645, 10.0174,  
18.8221

259.8792,  
281.9383, 371.4165

4.5784, 5.4105,  
11.3663

310.9676,

2.0343, 2.4901,

336.7658, 438.9508

6.1965

368.3478,  
398.2769, 514.2121

■ 0.6531, 0.8717,  
2.8942

■ 0.0000, 0.0000,  
1.0409

■ 65.0135, 71.8031,  
105.0405

■ 65.0135, 71.8031,  
105.0405

■ 56.7007, 63.4422,  
103.8649

■ 74.6033, 81.0812,  
106.3260

■ 49.5968, 55.9536,  
102.7938

■ 85.5217, 91.3022,  
107.7234

■ 43.6358, 49.3005,  
101.8238

95.0500, 100.0000,  
108.9000

■ 38.7426, 43.4393,  
100.9504

■ 34.8322, 38.3215,  
100.1687

■ 31.8046, 33.8902,  
99.4729

■ 29.5272, 30.0721,  
98.8560

■ 29.0935, 29.3071,  
98.7312

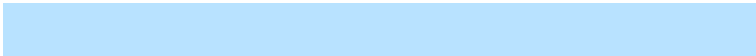
# Harmonies

## Analogous

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



61.4074, 71.8031, 95.6486



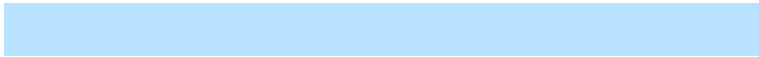
65.0135, 71.8031, 105.0405



69.6466, 71.8031, 106.8212

# Triad

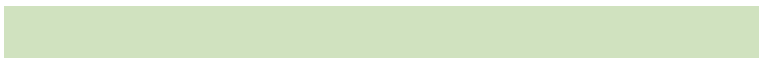
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



65.0135, 71.8031, 105.0405



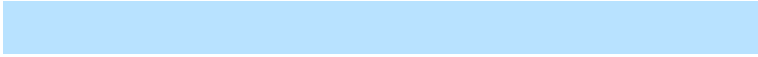
77.6259, 71.8031, 74.2664



62.7096, 71.8031, 59.6039

# Complementary

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



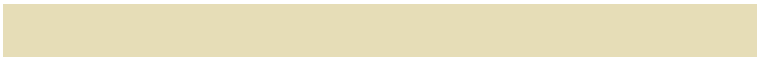
65.0135, 71.8031, 105.0405



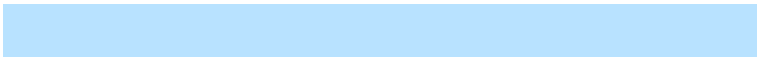
73.6860, 72.3086, 55.4224

# 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.



66.8656, 71.8031, 55.1811



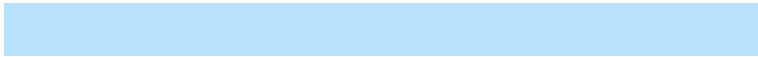
65.0135, 71.8031, 105.0405



75.5758, 71.8031, 62.9817

# Square

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



65.0135, 71.8031, 105.0405



77.0739, 71.8031, 87.9738



71.5853, 71.8031, 56.3420

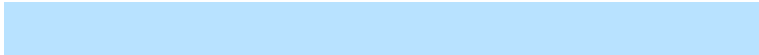


60.1206, 71.8031, 69.1440



# Rectangle

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



65.0135, 71.8031, 105.0405



72.7188, 71.8031, 103.2745



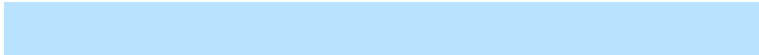
71.5853, 71.8031, 56.3420



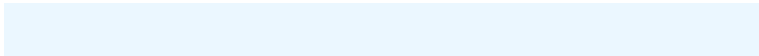
63.9618, 71.8031, 57.5226

# Sweetspot

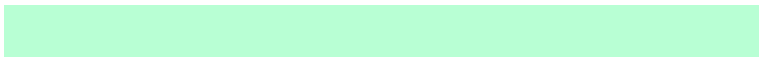
The Sweet Spot groups the original color and five complimentary colors.



65.0155, 71.8059, 105.0410



85.3385, 91.1331, 107.7004



67.4623, 86.4845, 75.6910



17.8964, 19.1644, 23.0058



0.0000, 0.0000, 0.0000

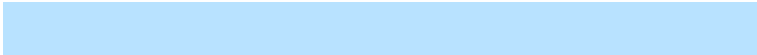


20.3446, 21.4041, 23.3091

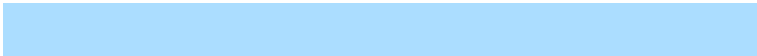


# Same Dimension

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



65.0155, 71.8059, 105.0410



60.5715, 67.3802, 104.4210



56.4711, 54.7172, 102.1929



17.8964, 19.1644, 23.0058



15.3525, 15.6147, 51.6394



1.6023, 1.7353, 5.0638



# Inverse Universe

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



72.1092, 61.0335, 79.9348



68.7768, 55.5301, 75.2437



83.4288, 91.7943, 58.6700



18.4603, 18.1675, 21.0413



24.5375, 12.3043, 16.7466

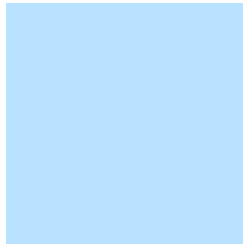


2.4434, 1.2197, 1.9163



# Previews

## White Background



This preview shows how the XYZ color 65.0135, 71.8031, 105.0405 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

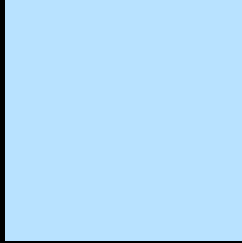
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.0135, 71.8031, 105.0405 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

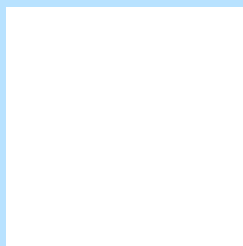
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.0135, 71.8031, 105.0405

## Background



This preview shows how black text looks on a background with the XYZ color 65.0135, 71.8031, 105.0405.



This preview shows how white text looks on a background with the XYZ color 65.0135, 71.8031,



# 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

65.0135, 71.8031, 105.0405

### Protanopia

70.3511, 71.4920, 100.5339

### Deuteranopia

72.7819, 71.5089, 104.5743



## Tritanopia

63.6694, 72.0857, 97.7470

# Trichromacy



## Original Color

65.0135, 71.8031, 105.0405

## Protanomaly

68.3290, 71.5785, 102.3102

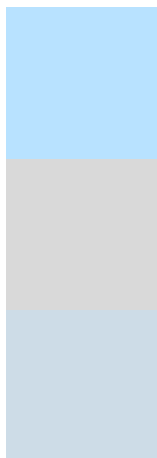
## Deuteranomaly

69.6760, 71.4383, 104.7244

## Tritanomaly

64.0964, 71.8450, 100.1118

# Monochromacy



## Original Color

65.0135, 71.8031, 105.0405

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

65.1938, 69.9351, 85.6640

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.0135, 71.8031, 105.0405 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(184, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(184, 226, 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(184, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.0135, 71.8031, 105.0405 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(184, 226, 255) }
```



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

```
.border{ border-color:rgb(184, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(184, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.0135, 71.8031, 105.0405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 226, 255) }
```

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

```
.background{ background-color: rgb(184,  
226, 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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