

# Converting Colors

XYZ(66.0237, 74.3901,  
105.4866)

Have a look what the booklet for  
XYZ(66.0237, 74.3901, 105.4866)  
contains.

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# Color

**XYZ(65.9173, 74.3169,  
105.4781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6E7FF
RGB	182, 231, 255
RGB Percent	71%, 91%, 100%
CMY	0.2863, 0.0941, 0.0000
CMYK	0.29, 0.09, 0.00, 0.00
HSL	200°, 100%, 86%
HSV	200°, 29%, 100%
XYZ	65.9173, 74.3169, 105.4781
YIQ	219.0850, -36.9080, -2.9240

# Conversions

## Conversions Part 2

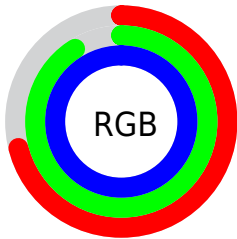
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 211, 255
Decimal	11986943
CIELab	89.07, -10.32, -16.73
CIELCh	89, 19.660, 238.343
Yxy	74.3169, 0.2683, 0.3025
Android (android.graphics.Color)	4290177023 (0xFFB6E7FF)
YUV	219.0850, 17.7061, -32.5235
Hunter-Lab	86.2073, -14.3749, -12.1987

# Details

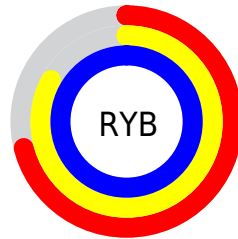
The XYZ color **65.9173, 74.3169, 105.4781** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.7549, 68.7796, 53.7517**, and the grayscale version is **67.2920, 70.7964, 77.0973**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **34.2754, 39.2492, 59.1954** is the 20% darker color. If you saturate the color by 10%, you get **58.1447, 66.9118, 104.4585**, and if you desaturate by 10%, it is **74.9029, 82.5178, 106.5875**.

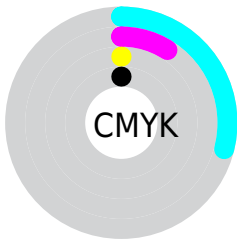
# Distribution



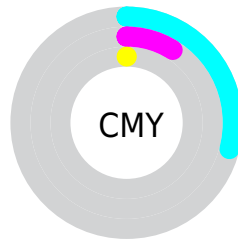
- Red (71%)
- Green (91%)
- Blue (100%)



- Red (71%)
- Yellow (83%)
- Blue (100%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.9173, 74.3169, 105.4781 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 65.9173, 74.3169, 105.4781 by changing the saturation by 10% instead.



65.9173, 74.3169,  
105.4781

65.9173, 74.3169,  
105.4781

435.5744,  
475.5664, 599.0128

48.4727, 55.0534,  
80.2411

112.4260,  
125.3449, 170.7825

34.4142, 39.4445,  
59.3894

142.2209,  
157.8783, 211.6869

23.3764, 27.1057,  
42.5046

176.8632,  
195.6038, 258.6509

14.9939, 17.6526,  
29.1681

216.7184,  
238.9057, 312.0929

8.9014, 10.7009,  
18.9613

262.1517,  
288.1686, 372.4316

4.7335, 5.8661,  
11.4658

313.5286,

2.1249, 2.7638,

343.7767, 440.0855

6.2630

371.2143,  
406.1145, 515.4730

■ 0.7027, 1.0097,  
2.9343

■ 0.0000, 0.0000,  
1.0612

■ 65.9173, 74.3169,  
105.4781

■ 65.9173, 74.3169,  
105.4781

■ 58.1447, 66.9118,  
104.4585

■ 74.9029, 82.5178,  
106.5875

■ 51.5178, 60.2601,  
103.5238

■ 85.1518, 91.5372,  
107.7882

■ 45.9719, 54.3277,  
102.6711

95.0500, 100.0000,  
108.9000

■ 41.4328, 49.0741,  
101.8962

■ 37.8159, 44.4532,  
101.1950

■ 35.0217, 40.4112,  
100.5620

■ 32.9088, 36.8725,  
99.9904

■ 32.6462, 36.4123,  
99.9154

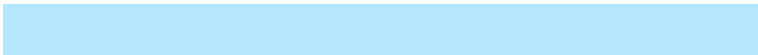
# Harmonies

## Analogous

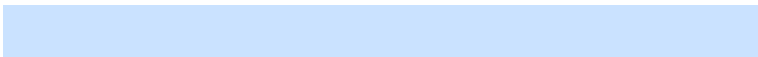
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.8453, 74.3169, 94.0807



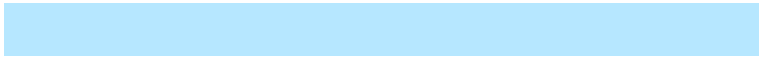
65.9173, 74.3169, 105.4781



70.3703, 74.3169, 110.2117

# Triad

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



65.9173, 74.3169, 105.4781



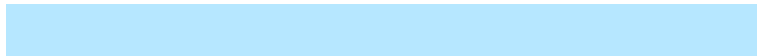
80.2356, 74.3169, 81.6828



66.3583, 74.3169, 59.8762

# Complementary

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



65.9173, 74.3169, 105.4781



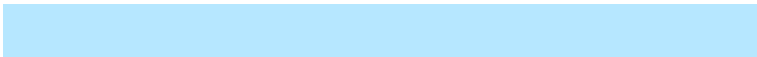
71.7549, 68.7796, 53.7517

# 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.



70.9024, 74.3169, 57.3384



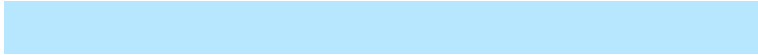
65.9173, 74.3169, 105.4781



79.0452, 74.3169, 69.0449

# Square

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



65.9173, 74.3169, 105.4781



78.7588, 74.3169, 95.5475



75.5747, 74.3169, 60.5017

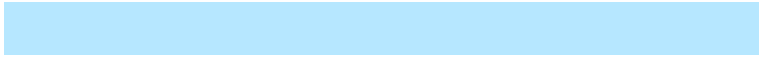


63.0918, 74.3169, 67.8645



# Rectangle

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



65.9173, 74.3169, 105.4781



73.5705, 74.3169, 108.5886



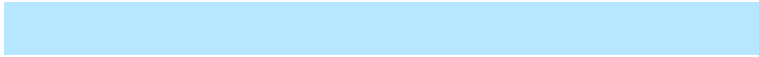
75.5747, 74.3169, 60.5017



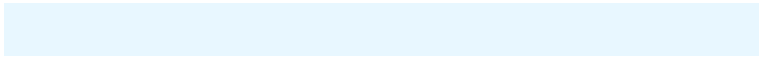
67.7805, 74.3169, 58.4000

# Sweetspot

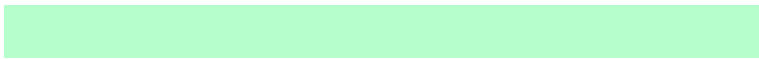
The Sweet Spot groups the original color and five complimentary colors.



65.9193, 74.3198, 105.4786



84.7453, 91.1848, 107.7416



66.0860, 85.8790, 70.9261



17.8041, 19.2262, 23.0226



0.0000, 0.0000, 0.0000

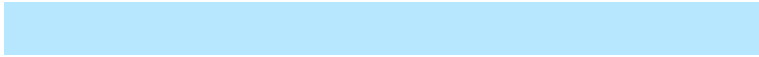


20.3446, 21.4041, 23.3091

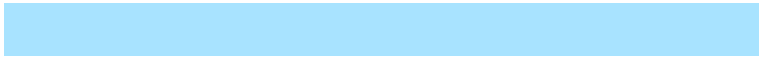


# Same Dimension

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



65.9193, 74.3198, 105.4786



61.5949, 70.2427, 104.9196



56.9439, 56.3689, 102.4868



18.0222, 19.4159, 23.0477



17.2006, 19.3108, 52.2554



1.7747, 2.0801, 5.1212



# Inverse Universe

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



72.3931, 60.4870, 83.4642



69.0943, 54.8946, 79.2657



81.3222, 87.9142, 56.9408



18.5238, 18.1928, 21.3757



25.4703, 12.6774, 21.6587

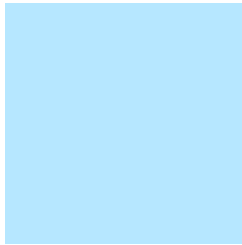


2.5304, 1.2545, 2.3745



# Previews

## White Background



This preview shows how the XYZ color 65.9173, 74.3169, 105.4781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

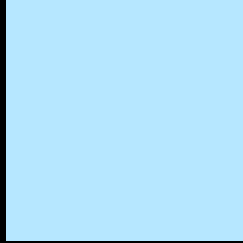
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 65.9173, 74.3169, 105.4781 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

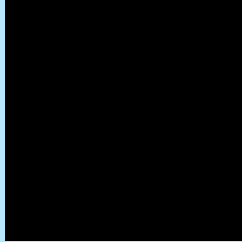
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 65.9173, 74.3169, 105.4781

## Background



This preview shows how black text looks on a background with the XYZ color 65.9173, 74.3169, 105.4781.



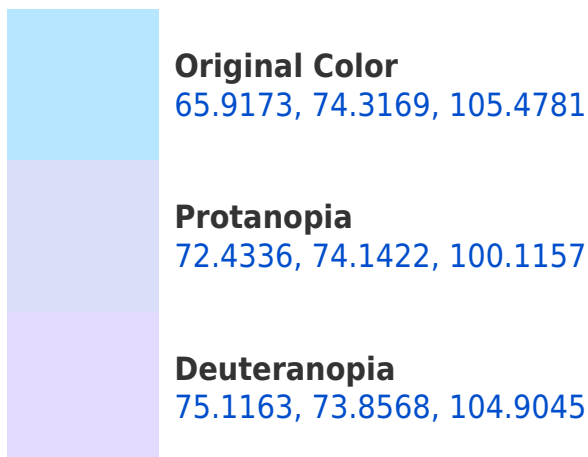
This preview shows how white text looks on a background with the XYZ color 65.9173, 74.3169,



# 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

65.1680, 74.4391, 101.3759

# Trichromacy



## Original Color

65.9173, 74.3169, 105.4781

## Protanomaly

69.7914, 73.9373, 101.8597

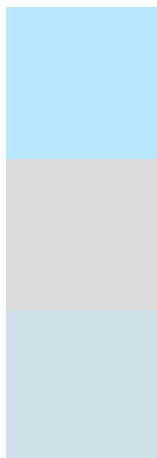
## Deuteranomaly

71.3016, 73.8442, 105.1031

## Tritanomaly

65.4834, 74.5653, 103.0367

# Monochromacy



## Original Color

65.9173, 74.3169, 105.4781

## Achromatopsia

67.3311, 70.8376, 77.1421

## Achromatomaly

66.4068, 71.7234, 86.6879

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.9173, 74.3169, 105.4781 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(182, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(182, 231, 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(182, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 65.9173, 74.3169, 105.4781 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(182, 231, 255) }
```



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

```
.border{ border-color:rgb(182, 231, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(182, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.9173, 74.3169, 105.4781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 231, 255) }
```

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

```
.background{ background-color: rgb(182,  
231, 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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