

# Converting Colors

XYZ(81.7847, 78.2748,  
200.6421)

Have a look what the booklet for  
XYZ(81.7847, 78.2748, 200.6421)  
contains.

<b>XYZ(63.6065, 71.0777, 104.9747)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(63.6065, 71.0777,  
104.9747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2E2FF
RGB	178, 226, 255
RGB Percent	70%, 89%, 100%
CMY	0.3019, 0.1137, 0.0000
CMYK	0.30, 0.11, 0.00, 0.00
HSL	203°, 100%, 85%
HSV	203°, 30%, 100%
XYZ	63.6065, 71.0777, 104.9747
YIQ	214.9540, -37.9170, -1.1570

# Conversions

## Conversions Part 2

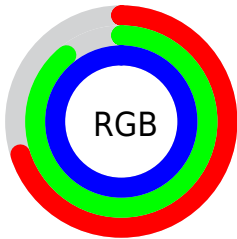
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	178, 208, 255
Decimal	11723519
CIE Lab	87.52, -8.87, -19.09
CIE LCh	88, 21.052, 245.070
Yxy	71.0777, 0.2654, 0.2966
Android (android.graphics.Color)	4289913599 (0xFFB2E2FF)
YUV	214.9540, 19.7427, -32.4087
Hunter-Lab	84.3076, -12.8676, -14.8090

# Details

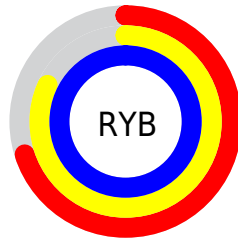
The XYZ color **63.6065, 71.0777, 104.9747** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **71.5890, 69.0999, 51.6859**, and the grayscale version is **64.4509, 67.8074, 73.8422**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **32.9243, 37.4140, 58.9124** is the 20% darker color. If you saturate the color by 10%, you get **55.7522, 63.2617, 103.8800**, and if you desaturate by 10%, it is **72.6985, 79.7523, 106.1699**.

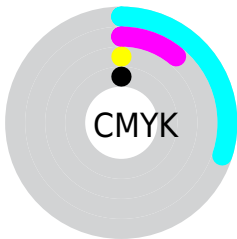
# Distribution



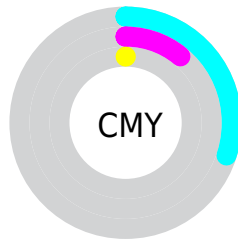
- Red (70%)
- Green (89%)
- Blue (100%)



- Red (70%)
- Yellow (82%)
- Blue (100%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (30%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6065, 71.0777, 104.9747 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 63.6065, 71.0777, 104.9747 by changing the saturation by 10% instead.



63.6065, 71.0777,  
104.9747

63.6065, 71.0777,  
104.9747

427.3920,  
464.3250, 597.4093

46.5925, 52.4056,  
79.8216

109.1209,  
120.7444, 170.0882

32.9202, 37.3285,  
59.0463

138.3521,  
152.5077, 210.8857

22.2243, 25.4619,  
42.2301

172.3864,  
189.4036, 257.7351

14.1393, 16.4215,  
28.9546

211.5892,  
231.8164, 311.0549

8.3000, 9.8229,  
18.8012

256.3258,  
280.1306, 371.2637

4.3409, 5.2817,  
11.3514

306.9615,

1.8967, 2.4135,

334.7305, 438.7800

6.1866

363.8618,  
396.0005, 514.0224

■ 0.5749, 0.8328,  
2.8882

■ 0.0000, 0.0000,  
1.0378

■ 63.6065, 71.0777,  
104.9747

■ 63.6065, 71.0777,  
104.9747

■ 55.7522, 63.2617,  
103.8800

■ 72.6985, 79.7523,  
106.1699

■ 49.0669, 56.2603,  
102.8810

■ 83.0803, 89.3107,  
107.4676

■ 43.4840, 50.0371,  
101.9740

94.8081, 99.7868,  
108.8716

■ 38.9270, 44.5492,  
101.1549

95.0500, 100.0000,  
108.9000

■ 35.3087, 39.7476,  
100.4188

■ 32.5251, 35.5749,  
99.7601

■ 30.4430, 32.0061,  
99.1810

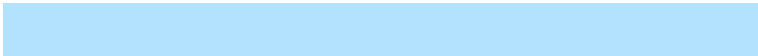
# Harmonies

## Analogous

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



60.0297, 71.0777, 94.2162



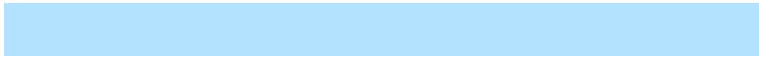
63.6065, 71.0777, 104.9747



68.4058, 71.0777, 107.9985

# Triad

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



63.6065, 71.0777, 104.9747



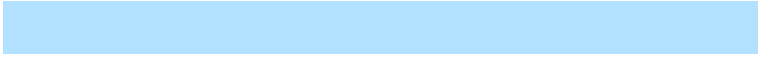
77.5361, 71.0777, 74.9966



62.2108, 71.0777, 57.0730

# Complementary

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



63.6065, 71.0777, 104.9747



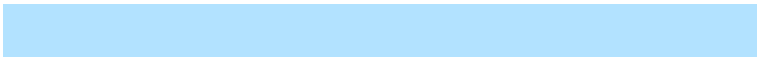
71.5890, 69.0999, 51.6859

# 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.



66.7157, 71.0777, 53.1938



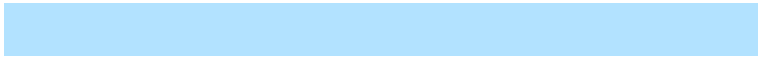
63.6065, 71.0777, 104.9747



75.6891, 71.0777, 62.6995

# Square

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



63.6065, 71.0777, 104.9747



76.6043, 71.0777, 89.5175



71.6682, 71.0777, 55.1203

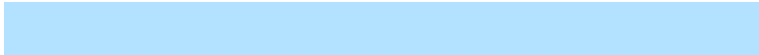


59.2521, 71.0777, 66.4133



# Rectangle

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



63.6065, 71.0777, 104.9747



71.6903, 71.0777, 104.9400



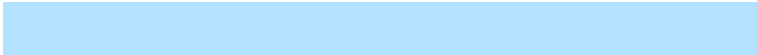
71.6682, 71.0777, 55.1203



63.5861, 71.0777, 55.1429

# Sweetspot

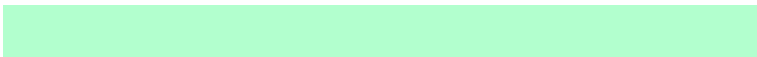
The Sweet Spot groups the original color and five complimentary colors.



63.6085, 71.0804, 104.9751



84.4095, 90.5133, 107.6297



65.2902, 85.4531, 71.5957



17.7211, 19.0604, 22.9950



0.0000, 0.0000, 0.0000

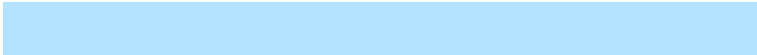


20.3446, 21.4041, 23.3091

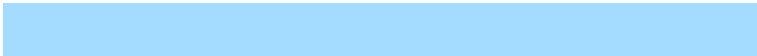


# Same Dimension

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



63.6085, 71.0804, 104.9751



58.9013, 66.4397, 104.3275



54.4519, 52.7673, 101.9229



17.9465, 19.2645, 23.0225



16.0555, 17.0205, 51.8737



1.6685, 1.8676, 5.0858



# Inverse Universe

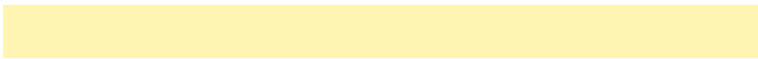
The Inverse Universe completely reimagines the original color for something new.



70.8892, 58.5935, 79.5280



67.3480, 52.7156, 74.6341



81.8482, 89.6184, 55.1057



18.4856, 18.1776, 21.1744



24.8923, 12.4462, 18.6150

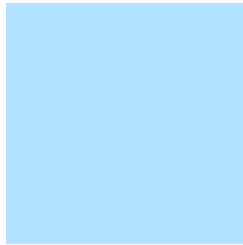


2.4768, 1.2331, 2.0921



# Previews

## White Background



This preview shows how the XYZ color 63.6065, 71.0777, 104.9747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

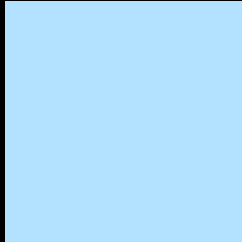
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6065, 71.0777, 104.9747 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

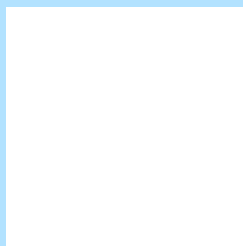
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.6065, 71.0777, 104.9747

## Background



This preview shows how black text looks on a background with the XYZ color 63.6065, 71.0777, 104.9747.



This preview shows how white text looks on a background with the XYZ color 63.6065, 71.0777,



# 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

63.6065, 71.0777, 104.9747

### Protanopia

69.6433, 70.7614, 99.6103

### Deuteranopia

71.9154, 70.6853, 104.4610



## Tritanopia

62.2825, 71.3707, 97.6821

# Trichromacy



## Original Color

63.6065, 71.0777, 104.9747

## Protanomaly

67.0932, 70.5689, 101.3518

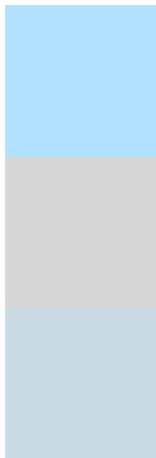
## Deuteranomaly

68.2982, 70.3419, 104.5854

## Tritanomaly

62.6994, 71.1248, 100.0464

# Monochromacy



## Original Color

63.6065, 71.0777, 104.9747

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

63.9716, 68.9328, 84.7966

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6065, 71.0777, 104.9747 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(178, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(178, 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(178, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6065, 71.0777, 104.9747 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(178, 226, 255) }
```



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

```
.border{ border-color:rgb(178, 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(178, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(178, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6065, 71.0777, 104.9747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 226, 255) }
```

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

```
.background{ background-color: rgb(178,  
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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