

# Converting Colors

XYZ(63.6755, 70.0610, 96.3933)

Have a look what the booklet for  
XYZ(63.6755, 70.0610, 96.3933)  
contains.

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# Color

**XYZ(63.6081, 70.0593,  
96.5565)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCDFF5
RGB	188, 223, 245
RGB Percent	74%, 87%, 96%
CMY	0.2627, 0.1255, 0.0392
CMYK	0.23, 0.09, 0.00, 0.04
HSL	203°, 74%, 85%
HSV	203°, 23%, 96%
XYZ	63.6081, 70.0593, 96.5565
YIQ	215.0430, -27.9220, -0.5780

# Conversions

## Conversions Part 2

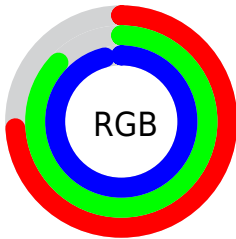
Format	Color
<b>R<sub>YB</sub></b>	188, 210, 245
Decimal	12378101
CIE Lab	87.03, -6.73, -14.52
CIE LCh	87, 16.001, 245.134
Yxy	70.0593, 0.2763, 0.3043
Android (android.graphics.Color)	4290568181 (0xFFBCDFF5)
YUV	215.0430, 14.7688, -23.7167
Hunter-Lab	83.7014, -10.8281, -9.8049

# Details

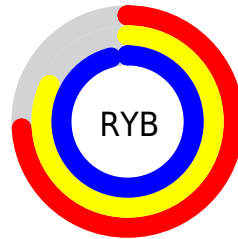
The XYZ color **63.6081, 70.0593, 96.5565** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **69.7805, 69.1366, 57.2453**, and the grayscale version is **64.5388, 67.8999, 73.9430**.

A 20% lighter version of the original color is **91.4662, 98.1525, 108.7323**, and **33.0195, 36.7477, 53.4968** is the 20% darker color. If you saturate the color by 10%, you get **55.6217, 62.2977, 95.4805**, and if you desaturate by 10%, it is **72.7643, 78.6369, 97.7307**.

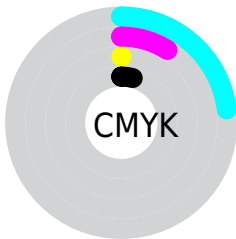
# Distribution



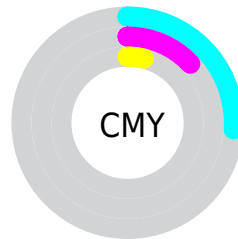
- Red (74%)
- Green (87%)
- Blue (96%)



- Red (74%)
- Yellow (82%)
- Blue (96%)



- Cyan (23%)
- Magenta (9%)
- Yellow (0%)
- Black (4%)



- Cyan (26%)
- Magenta (13%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6081, 70.0593, 96.5565 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 63.6081, 70.0593, 96.5565 by changing the saturation by 10% instead.



■ 63.6081, 70.0593,  
96.5565

■ 63.6081, 70.0593,  
96.5565

427.3977,  
460.7582, 570.2472

■ 46.5938, 51.5749,  
72.8271

■ 109.1232,  
119.2933, 158.4273

■ 32.9213, 36.6663,  
53.3436

138.3548,  
150.8117, 197.4057

■ 22.2251, 24.9493,  
37.6876

172.3895,  
187.4435, 242.3042

■ 14.1399, 16.0392,  
25.4403

211.5927,  
229.5732, 293.5414

■ 8.3004, 9.5519,  
16.1834

256.3298,  
277.5851, 351.5357

■ 4.3412, 5.1029,  
9.4983

306.9661,

■ 1.8969, 2.3078,

331.8637, 416.7058

4.9664

363.8670,  
392.7932, 489.4701

■ 0.5750, 0.7778,  
2.1691

■ 0.0000, 0.0000,  
0.6565

■ 63.6081, 70.0593,  
96.5565

■ 63.6081, 70.0593,  
96.5565

■ 55.6217, 62.2977,  
95.4805

■ 72.7643, 78.6369,  
97.7307

■ 48.7448, 55.3125,  
94.4946

■ 83.1344, 88.0511,  
99.0013

■ 42.9210, 49.0726,  
93.5972

■ 92.3344, 97.0782,  
100.2588

■ 38.0858, 43.5415,  
92.7844

■ 93.4817, 99.3727,  
100.6412

■ 34.1673, 38.6783,  
92.0522

■ 31.0823, 34.4364,  
91.3960

■ 28.7304, 30.7601,  
90.8104

■ 27.4601, 28.5496,  
90.4507

# Harmonies

## Analogous

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



60.8744, 70.0593, 88.7718



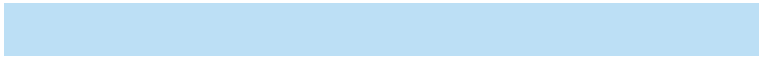
63.6081, 70.0593, 96.5565



67.2354, 70.0593, 98.7119

# Triad

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



63.6081, 70.0593, 96.5565



74.0188, 70.0593, 74.4529



62.5322, 70.0593, 60.6352

# Complementary

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



63.6081, 70.0593, 96.5565



69.7805, 69.1366, 57.2453

# 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.



65.9472, 70.0593, 57.5377



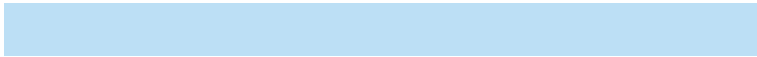
63.6081, 70.0593, 96.5565



72.6511, 70.0593, 65.0235

# Square

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



63.6081, 70.0593, 96.5565



73.3358, 70.0593, 85.2837



69.6621, 70.0593, 59.0661



60.2697, 70.0593, 67.9384



# Rectangle

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



63.6081, 70.0593, 96.5565



69.6935, 70.0593, 96.5089



69.6621, 70.0593, 59.0661



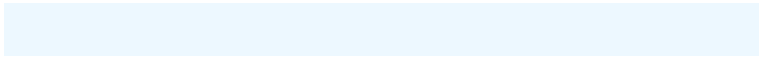
63.5786, 70.0593, 59.1004

# Sweetspot

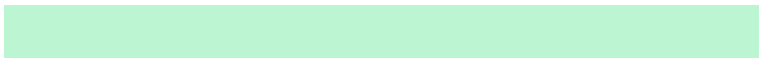
The Sweet Spot groups the original color and five complimentary colors.



63.6102, 70.0621, 96.5581



86.6268, 92.4537, 107.8874



65.0070, 80.6432, 73.0157



18.3930, 19.6543, 23.0742



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

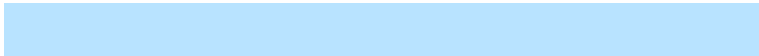


# Same Dimension

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



63.6102, 70.0621, 96.5581



65.3126, 72.5432, 105.1676



56.6586, 56.1590, 94.2409



16.4284, 17.6211, 21.0779



14.9314, 15.6565, 48.7731



1.4117, 1.5749, 4.3198



# Inverse Universe

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



68.9604, 60.7082, 77.8985



72.2242, 60.9457, 80.9529



77.4111, 84.3977, 59.7888



16.9268, 16.6536, 19.3612



23.3412, 11.6799, 17.0369

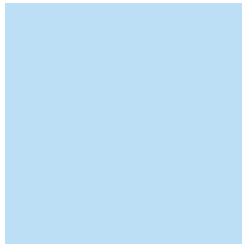


2.1016, 1.0466, 1.7616



# Previews

## White Background



This preview shows how the XYZ color 63.6081, 70.0593, 96.5565 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

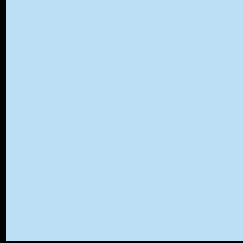
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6081, 70.0593, 96.5565 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

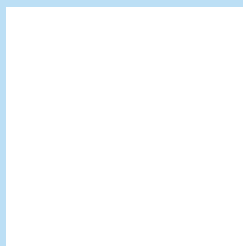
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 63.6081, 70.0593, 96.5565

## Background



This preview shows how black text looks on a background with the XYZ color 63.6081, 70.0593, 96.5565.



This preview shows how white text looks on a background with the XYZ color 63.6081, 70.0593,



# 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

63.6081, 70.0593, 96.5565

### Protanopia

68.4574, 69.9097, 93.1049

### Deuteranopia

71.3833, 69.8099, 97.7080



## Tritanopia

63.0264, 70.2270, 93.4524

# Trichromacy



## Original Color

63.6081, 70.0593, 96.5565

## Protanomaly

66.5354, 70.0530, 94.0192

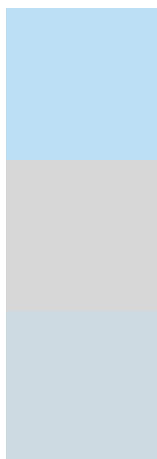
## Deuteranomaly

68.3418, 69.7626, 97.0523

## Tritanomaly

63.1762, 70.2869, 94.2414

# Monochromacy



## Original Color

63.6081, 70.0593, 96.5565

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

63.9757, 68.6129, 81.8232

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6081, 70.0593, 96.5565 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(188, 223, 245)` looks like.

```
.text, #text, p{  
    color:rgb(188, 223, 245)  
}
```

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(188, 223, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 223, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6081, 70.0593, 96.5565 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(188, 223, 245) }
```



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

```
.border{ border-color:rgb(188, 223, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 223, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 223, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 223, 245);  
box-shadow:4px 4px 4px 4px rgb(188, 223,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6081, 70.0593, 96.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 223, 245) }
```

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

```
.background{ background-color: rgb(188,  
223, 245) }
```

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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