

# Converting Colors

XYZ(63.6453, 75.0079, 97.5097)

Have a look what the booklet for  
XYZ(63.6453, 75.0079, 97.5097)  
contains.

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# **Color**

**XYZ(63.6453, 75.0079,  
97.5097)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEEBF5
RGB	174, 235, 245
RGB Percent	68%, 92%, 96%
CMY	0.3176, 0.0784, 0.0392
CMYK	0.29, 0.04, 0.00, 0.04
HSL	188°, 78%, 82%
HSV	188°, 29%, 96%
XYZ	63.6453, 75.0079, 97.5097
YIQ	217.9010, -39.5660, -9.8220

# Conversions

## Conversions Part 2

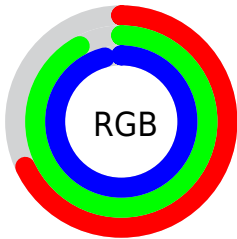
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 207, 245
Decimal	11463669
CIELab	89.40, -16.86, -11.06
CIElCh	89, 20.166, 213.262
Yxy	75.0079, 0.2695, 0.3176
Android (android.graphics.Color)	4289653749 (0xFFAEEBF5)
YUV	217.9010, 13.3598, -38.5012
Hunter-Lab	86.6071, -20.3874, -6.1288

# Details

The XYZ color **63.6453, 75.0079, 97.5097** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.4376, 56.7500, 47.7090**, and the grayscale version is **66.5045, 69.9679, 76.1951**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **32.9132, 39.8363, 54.0986** is the 20% darker color. If you saturate the color by 10%, you get **57.6995, 70.4924, 96.9528**, and if you desaturate by 10%, it is **70.6102, 80.0809, 98.1230**.

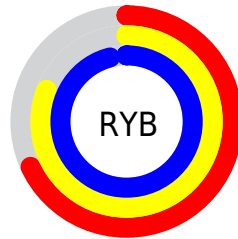
# Distribution



Red (68%)

Green (92%)

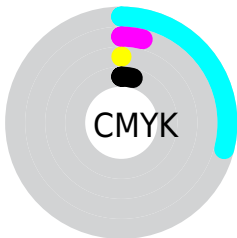
Blue (96%)



Red (68%)

Yellow (81%)

Blue (96%)

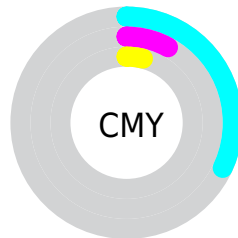


Cyan (29%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (32%)

Magenta (8%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6453, 75.0079, 97.5097 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 63.6453, 75.0079, 97.5097 by changing the saturation by 10% instead.



63.6453, 75.0079,  
97.5097

63.6453, 75.0079,  
97.5097

427.5302,  
477.9447, 573.3570

46.6241, 55.6194,  
73.6172

109.1765,  
126.3235, 159.7526

32.9453, 39.8978,  
53.9859

138.4173,  
159.0194, 198.9401

22.2435, 27.4589,  
38.1973

172.4618,  
196.9199, 244.0629

14.1536, 17.9182,  
25.8328

211.6756,  
240.4094, 295.5397

8.3100, 10.8912,  
16.4740

256.4240,  
289.8722, 353.7890

4.3474, 5.9938,  
9.7022

307.0723,

1.9005, 2.8413,

345.6927, 419.2292

5.0989

363.9859,  
408.2555, 492.2791

■ 0.5771, 1.0494,  
2.2457

■ 0.0000, 0.0000,  
0.7005

■ 63.6453, 75.0079,  
97.5097

■ 63.6453, 75.0079,  
97.5097

■ 57.6995, 70.4924,  
96.9528

■ 70.6102, 80.0809,  
98.1230

■ 52.7118, 66.4974,  
96.4445

■ 78.6377, 85.7284,  
98.7900

■ 48.6250, 62.9948,  
95.9839

■ 87.7769, 91.9777,  
99.5146

■ 45.3730, 59.9506,  
95.5677

■ 91.5367, 95.4827,  
99.9930

■ 42.8804, 57.3256,  
95.1924

■ 92.6117, 97.6328,  
100.3513

■ 41.0577, 55.0737,  
94.8538

■ 93.4817, 99.3727,  
100.6413

■ 39.7714, 53.1257,  
94.5456

■ 39.6528, 52.9348,  
94.5150

# Harmonies

## Analogous

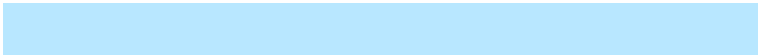
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



62.2281, 75.0079, 83.2279



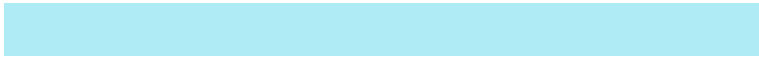
63.6453, 75.0079, 97.5097



67.1061, 75.0079, 108.4393

# Triad

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



63.6453, 75.0079, 97.5097



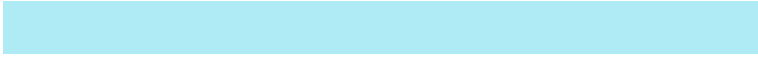
80.1120, 75.0079, 94.5246



70.7539, 75.0079, 57.4217

# Complementary

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



63.6453, 75.0079, 97.5097



62.4376, 56.7500, 47.7090

# 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.



75.6500, 75.0079, 59.7155



63.6453, 75.0079, 97.5097



81.1975, 75.0079, 80.1334

# Square

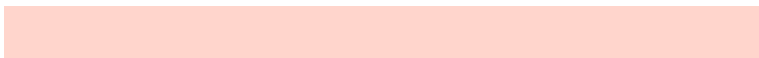
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.6453, 75.0079, 97.5097



76.6277, 75.0079, 106.5809



79.5295, 75.0079, 67.6473



66.2114, 75.0079, 60.9801

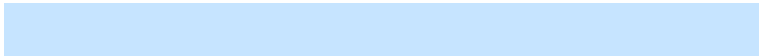


# Rectangle

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



63.6453, 75.0079, 97.5097



70.1847, 75.0079, 111.7578



79.5295, 75.0079, 67.6473



72.4124, 75.0079, 57.5354

# Sweetspot

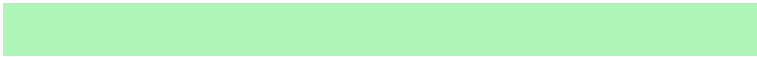
The Sweet Spot groups the original color and five complimentary colors.



63.6475, 75.0109, 97.5114



86.0827, 93.8596, 108.1874



58.7054, 77.7433, 56.9683



18.1351, 19.8882, 23.1329



0.0000, 0.0000, 0.0000

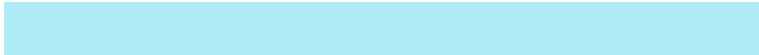


20.3446, 21.4041, 23.3091

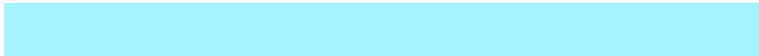


# Same Dimension

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



63.6475, 75.0109, 97.5114



65.6047, 79.0623, 106.4106



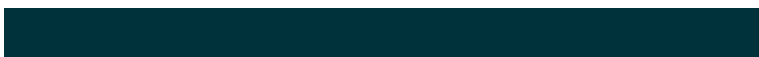
54.6005, 56.9169, 94.4958



16.7862, 18.3366, 21.1972



21.4391, 28.6719, 50.9423



1.9378, 2.6270, 4.4952



# Inverse Universe

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



67.7894, 55.6845, 85.7759



70.9229, 54.8785, 91.2003



70.6204, 73.1156, 50.4367



17.1074, 16.7258, 20.3121



26.6260, 12.9938, 34.3343

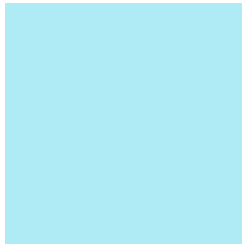


2.3672, 1.1528, 3.1599



# Previews

## White Background



This preview shows how the XYZ color 63.6453, 75.0079, 97.5097 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

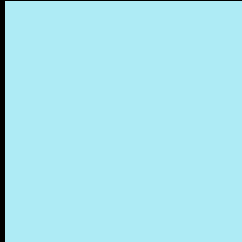
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.6453, 75.0079, 97.5097 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

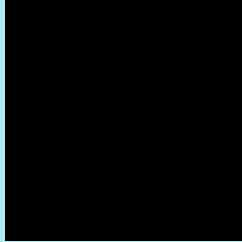
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 63.6453, 75.0079, 97.5097**

## **Background**



This preview shows how black text looks on a background with the XYZ color 63.6453, 75.0079, 97.5097.



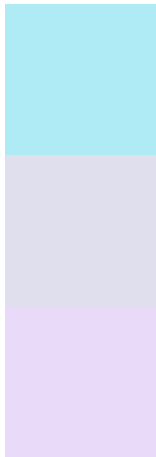
This preview shows how white text looks on a background with the XYZ color 63.6453, 75.0079,



# 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

63.6453, 75.0079, 97.5097

### Protanopia

72.4142, 74.7371, 90.7298

### Deuteranopia

76.1020, 74.4748, 99.9866



## Tritanopia

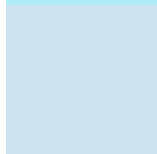
65.0569, 75.1676, 104.0084

# Trichromacy



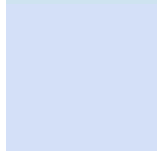
## Original Color

63.6453, 75.0079, 97.5097



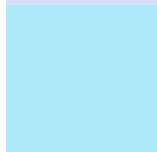
## Protanomaly

68.6509, 74.3513, 93.1710



## Deuteranomaly

70.7503, 74.0857, 99.3780



## Tritanomaly

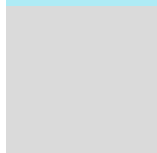
64.3573, 74.8617, 101.5002

# Monochromacy



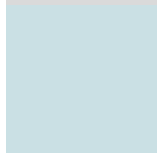
## Original Color

63.6453, 75.0079, 97.5097



## Achromatopsia

66.6397, 70.1102, 76.3500



## Achromatomaly

65.0164, 71.4693, 83.7670

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.6453, 75.0079, 97.5097 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(174, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(174, 235, 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(174, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 235, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 63.6453, 75.0079, 97.5097 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(174, 235, 245) }
```



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

```
.border{ border-color:rgb(174, 235, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(174, 235,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.6453, 75.0079, 97.5097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 235, 245) }
```

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

```
.background{ background-color: rgb(174,  
235, 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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