

# Converting Colors

XYZ(69.6612, 75.4017,  
139.0836)

Have a look what the booklet for  
XYZ(69.6612, 75.4017, 139.0836)  
contains.

<b>XYZ(63.4205, 73.0298, 105.3613)</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(63.4205, 73.0298,  
105.3613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABE7FF
RGB	171, 231, 255
RGB Percent	67%, 91%, 100%
CMY	0.3294, 0.0941, 0.0000
CMYK	0.33, 0.09, 0.00, 0.00
HSL	197°, 100%, 84%
HSV	197°, 33%, 100%
XYZ	63.4205, 73.0298, 105.3613
YIQ	215.7960, -43.4640, -5.2560

# Conversions

## Conversions Part 2

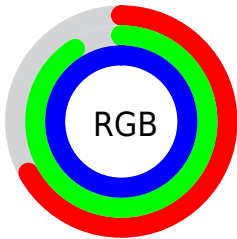
Format	Color
R <sub>Y</sub> B	171, 206, 255
Decimal	11266047
CIE Lab	88.46, -13.35, -17.71
CIE LCh	88, 22.180, 232.999
Yxy	73.0298, 0.2623, 0.3020
Android (android.graphics.Color)	4289456127 (0xFFABE7FF)
YUV	215.7960, 19.3276, -39.2861
Hunter-Lab	85.4575, -17.0805, -13.2789

# Details

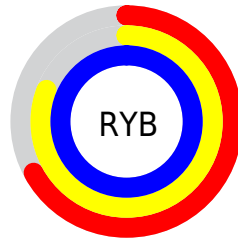
The XYZ color **63.4205, 73.0298, 105.3613** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1060, 63.2303, 47.1450**, and the grayscale version is **65.0270, 68.4135, 74.5023**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.7255, 38.4502, 59.1229** is the 20% darker color. If you saturate the color by 10%, you get **56.3964, 66.4463, 104.4608**, and if you desaturate by 10%, it is **71.6049, 80.3409, 106.3411**.

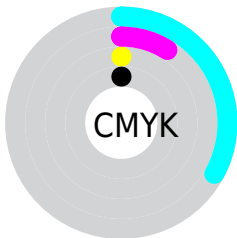
# Distribution



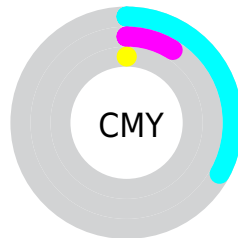
- Red (67%)
- Green (91%)
- Blue (100%)



- Red (67%)
- Yellow (81%)
- Blue (100%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 63.4205, 73.0298, 105.3613 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 63.4205, 73.0298, 105.3613 by changing the saturation by 10% instead.



63.4205, 73.0298,  
105.3613

63.4205, 73.0298,  
105.3613

426.7294,  
471.1181, 598.6410

46.4414, 54.0003,  
80.1437

108.8543,  
123.5195, 170.6214

32.8004, 38.6019,  
59.3098

138.0398,  
155.7485, 211.5011

22.1321, 26.4502,  
42.4409

172.0248,  
193.1462, 258.4385

14.0711, 17.1607,  
29.1185

211.1746,  
236.0969, 311.8522

8.2522, 10.3492,  
18.9242

255.8546,  
284.9851, 372.1608

4.3099, 5.6311,  
11.4392

306.4302,

1.8789, 2.6221,

340.1951, 439.7827

6.2452

363.2666,  
402.1113, 515.1366

■ 0.5645, 0.9378,  
2.9236

■ 0.0000, 0.0000,  
1.0557

■ 63.4205, 73.0298,  
105.3613

■ 63.4205, 73.0298,  
105.3613

■ 56.3964, 66.4463,  
104.4608

■ 71.6049, 80.3409,  
106.3411

■ 50.4637, 60.5482,  
103.6350

■ 81.0016, 88.4027,  
107.4019

■ 45.5552, 55.3011,  
102.8809

■ 91.6662, 97.2471,  
108.5470

■ 41.5935, 50.6633,  
102.1945

95.0500, 100.0000,  
108.9000

■ 38.4888, 46.5872,  
101.5714

■ 36.1327, 43.0150,  
101.0061

■ 34.8093, 40.7386,  
100.6364

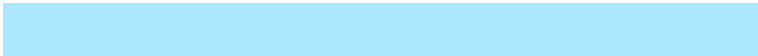
# Harmonies

## Analogous

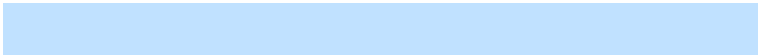
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.3920, 73.0298, 91.5562



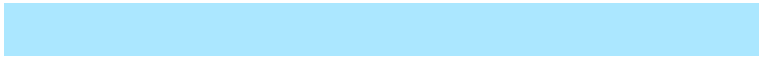
63.4205, 73.0298, 105.3613



68.1699, 73.0298, 112.3842

# Triad

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



63.4205, 73.0298, 105.3613



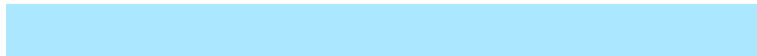
80.0997, 73.0298, 83.1517



65.4815, 73.0298, 55.4247

# Complementary

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



63.4205, 73.0298, 105.3613



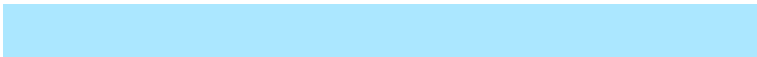
68.1060, 63.2303, 47.1450

# 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.



70.6704, 73.0298, 53.7778



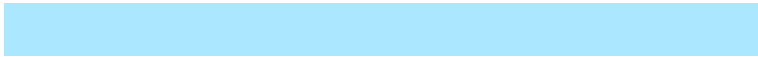
63.4205, 73.0298, 105.3613



79.2895, 73.0298, 68.5824

# Square

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



63.4205, 73.0298, 105.3613



77.9311, 73.0298, 98.5397



75.7708, 73.0298, 58.2875

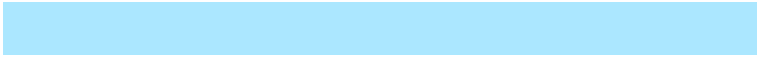


61.5387, 73.0298, 63.1150



# Rectangle

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



63.4205, 73.0298, 105.3613



71.7456, 73.0298, 111.7133



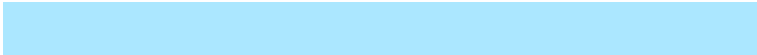
75.7708, 73.0298, 58.2875



67.1308, 73.0298, 54.1901

# Sweetspot

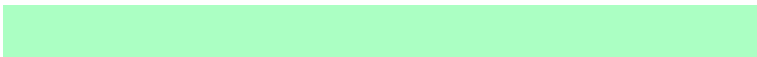
The Sweet Spot groups the original color and five complimentary colors.



63.4225, 73.0326, 105.3617



84.0028, 90.9202, 107.7297



62.3834, 84.1095, 64.4596



17.6700, 19.2012, 23.0249



0.0000, 0.0000, 0.0000

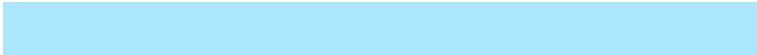


20.3446, 21.4041, 23.3091

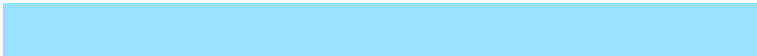


# Same Dimension

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



63.4225, 73.0326, 105.3617



58.3455, 68.3095, 104.7177



53.0866, 52.3608, 101.9164



18.0907, 19.5529, 23.0706



18.3225, 21.5546, 52.6293



1.8774, 2.2854, 5.1555



# Inverse Universe

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



70.2280, 56.1569, 82.7425



66.3397, 49.5258, 77.9146



78.8176, 84.6535, 50.7155



18.5584, 18.2067, 21.5577



26.0365, 12.9039, 24.6407

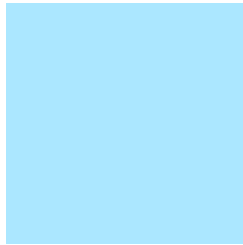


2.5822, 1.2753, 2.6474



# Previews

## White Background



This preview shows how the XYZ color 63.4205, 73.0298, 105.3613 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

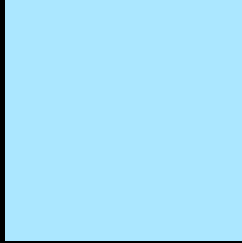
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 63.4205, 73.0298, 105.3613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

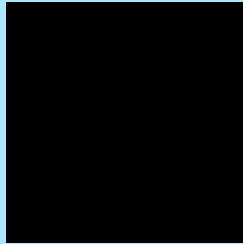
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 63.4205, 73.0298, 105.3613

## Background



This preview shows how black text looks on a background with the XYZ color 63.4205, 73.0298, 105.3613.



This preview shows how white text looks on a background with the XYZ color 63.4205, 73.0298,



# 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

63.4205, 73.0298, 105.3613

### Protanopia

71.1517, 72.7154, 99.0923

### Deuteranopia

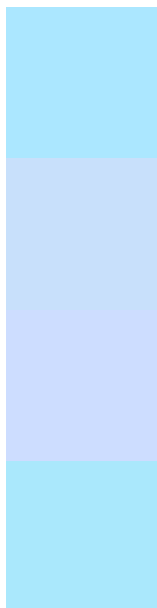
73.6572, 72.3393, 104.6885



## Tritanopia

62.6895, 73.1614, 101.2600

# Trichromacy



## Original Color

63.4205, 73.0298, 105.3613

## Protanomaly

67.8877, 72.5557, 101.6934

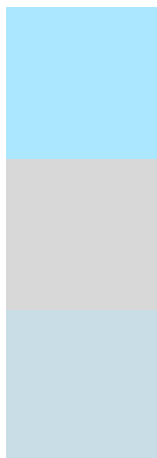
## Deuteranomaly

69.0833, 71.9120, 104.8471

## Tritanomaly

63.0049, 73.2875, 102.9207

# Monochromacy



## Original Color

63.4205, 73.0298, 105.3613

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.9588, 69.7054, 84.9464

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 63.4205, 73.0298, 105.3613 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(171, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 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(171, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 63.4205, 73.0298, 105.3613 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(171, 231, 255) }
```



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

```
.border{ border-color:rgb(171, 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(171, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 63.4205, 73.0298, 105.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 231, 255) }
```

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

```
.background{ background-color: rgb(171,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor