

# Converting Colors

XYZ(57.1231, 60.4546,  
103.2659)

Have a look what the booklet for  
XYZ(57.1231, 60.4546, 103.2659)  
contains.

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# Color

**XYZ(57.1574, 60.5036,  
103.2736)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABCFFF
RGB	171, 207, 255
RGB Percent	67%, 81%, 100%
CMY	0.3294, 0.1882, 0.0000
CMYK	0.33, 0.19, 0.00, 0.00
HSL	214°, 100%, 84%
HSV	214°, 33%, 100%
XYZ	57.1574, 60.5036, 103.2736
YIQ	201.7080, -36.8640, 7.2960

# Conversions

## Conversions Part 2

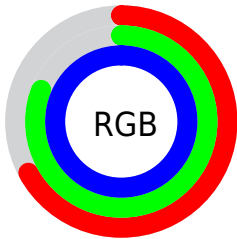
Format	Color
<a href="#">RYB</a>	<a href="#">171, 196, 255</a>
Decimal	<a href="#">11259903</a>
CIELab	<a href="#">82.11, -0.86, -27.35</a>
CIELCh	<a href="#">82, 27.361, 268.202</a>
Yxy	<a href="#">60.5036, 0.2587, 0.2739</a>
Android (android.graphics.Color)	<a href="#">4289449983</a> ( <a href="#">0xFFABCFFF</a> )
YUV	<a href="#">201.7080, 26.2730, -26.9309</a>
Hunter-Lab	<a href="#">77.7841, -4.9565, -24.2703</a>

# Details

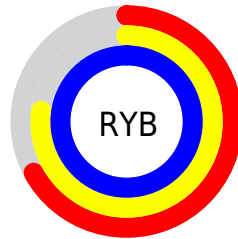
The XYZ color **57.1574, 60.5036, 103.2736** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **73.9225, 74.8633, 49.0838**, and the grayscale version is **55.8167, 58.7235, 63.9499**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **28.7867, 30.5727, 57.8100** is the 20% darker color. If you saturate the color by 10%, you get **48.7609, 51.1753, 101.9156**, and if you desaturate by 10%, it is **66.9547, 71.0404, 104.7910**.

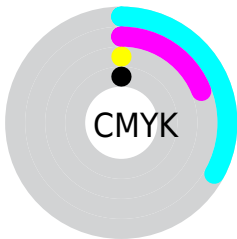
# Distribution



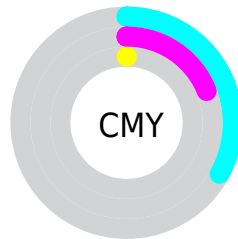
- Red (67%)
- Green (81%)
- Blue (100%)



- Red (67%)
- Yellow (77%)
- Blue (100%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.1574, 60.5036, 103.2736 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 57.1574, 60.5036, 103.2736 by changing the saturation by 10% instead.



■ 57.1574, 60.5036,  
103.2736

■ 57.1574, 60.5036,  
103.2736

404.0435,  
426.4515, 591.9740

■ 41.3723, 43.8247,  
78.4052

■ 99.8249, 105.5599,  
167.7396

■ 28.7990, 30.5327,  
57.8885

127.4379,  
134.7060, 208.1743

■ 19.0724, 20.2433,  
41.3049

159.7242,  
168.7766, 254.6348

■ 11.8269, 12.5720,  
28.2359

197.0493,  
208.1562, 307.5397

■ 6.6973, 7.1345,  
18.2630

239.7784,  
253.2291, 367.3076

■ 3.3181, 3.5464,  
10.9676

288.2769,

■ 1.3242, 1.4232,

304.3797, 434.3569

5.9311

342.9101,  
361.9924, 509.1062

■ 0.2012, 0.2337,  
2.7351

■ 0.0000, 0.0000,  
0.9610

■ 57.1574, 60.5036,  
103.2736

■ 57.1574, 60.5036,  
103.2736

■ 48.7609, 51.1753,  
101.9156

■ 66.9547, 71.0404,  
104.7910

■ 41.6892, 42.9993,  
100.7102

■ 78.2127, 82.8250,  
106.4723

■ 35.8669, 35.9244,  
99.6515

■ 90.9943, 95.9032,  
108.3230

■ 31.2078, 29.8919,  
98.7326

95.0500, 100.0000,  
108.9000

■ 27.6133, 24.8361,  
97.9462

■ 24.9654, 20.6805,  
97.2837

■ 23.5498, 18.2196,  
96.8833

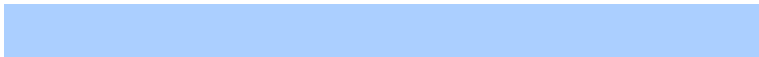
# Harmonies

## Analogous

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



51.8236, 60.5036, 96.9537



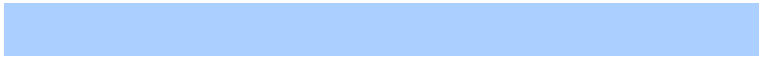
57.1574, 60.5036, 103.2736



62.9448, 60.5036, 98.2571

# Triad

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



57.1574, 60.5036, 103.2736



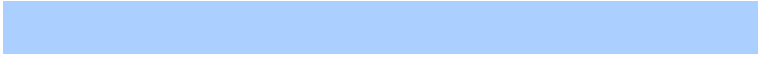
67.9153, 60.5036, 51.8963



48.5322, 60.5036, 50.4287

# Complementary

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



57.1574, 60.5036, 103.2736



73.9225, 74.8633, 49.0838

# 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.



52.3915, 60.5036, 41.5310



57.1574, 60.5036, 103.2736



63.5912, 60.5036, 42.2726

# Square

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



57.1574, 60.5036, 103.2736



69.4004, 60.5036, 66.8861



57.8577, 60.5036, 38.8139



47.0562, 60.5036, 64.8804



# Rectangle

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



57.1574, 60.5036, 103.2736



66.2360, 60.5036, 89.5639



57.8577, 60.5036, 38.8139



49.5804, 60.5036, 46.7863

# Sweetspot

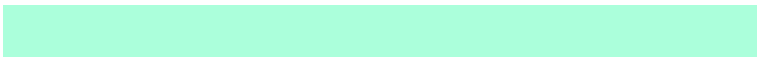
The Sweet Spot groups the original color and five complimentary colors.



57.1591, 60.5059, 103.2739



81.8095, 86.5335, 106.9986



65.2891, 85.2718, 79.7612



17.1390, 18.1393, 22.8479



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.



57.1591, 60.5059, 103.2739



51.0888, 53.7962, 102.2988



50.6548, 45.6478, 100.7488



17.6431, 18.6579, 22.9214



12.4464, 9.8025, 50.6706



1.3177, 1.1661, 4.9689



# Inverse Universe

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



67.0666, 54.8924, 66.0945



62.6768, 48.0607, 58.6264



82.3208, 94.6738, 52.4650



18.3325, 18.1163, 20.3682



23.0706, 11.7175, 9.0221

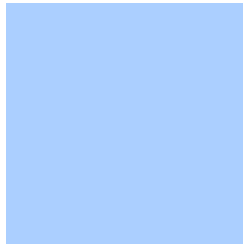


2.2997, 1.1623, 1.1597



# Previews

## White Background



This preview shows how the XYZ color 57.1574, 60.5036, 103.2736 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

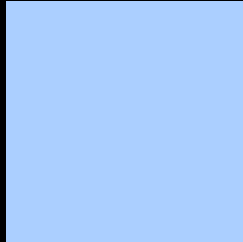
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.1574, 60.5036, 103.2736 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

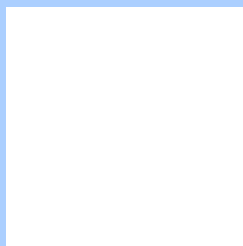
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 57.1574, 60.5036, 103.2736

## Background



This preview shows how black text looks on a background with the XYZ color 57.1574, 60.5036, 103.2736.



This preview shows how white text looks on a background with the XYZ color 57.1574, 60.5036,



# 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

57.1574, 60.5036, 103.2736

### Protanopia

60.2713, 60.4126, 99.7509

### Deuteranopia

61.4692, 60.2643, 103.0001



## Tritanopia

53.2034, 60.7434, 83.0493

# Trichromacy



## Original Color

57.1574, 60.5036, 103.2736

## Protanomaly

58.9307, 60.4044, 100.6487

## Deuteranomaly

59.8995, 60.4967, 103.1277

## Tritanomaly

54.4156, 60.4817, 89.6951

# Monochromacy



## Original Color

57.1574, 60.5036, 103.2736

## Achromatopsia

56.1383, 59.0619, 64.3184

## Achromatomaly

56.1299, 59.4826, 76.9295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.1574, 60.5036, 103.2736 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, 207, 255)` looks like.

```
.text, #text, p{  
    color:rgb(171, 207, 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, 207, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 207, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.1574, 60.5036, 103.2736 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, 207, 255) }
```



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

```
.border{ border-color:rgb(171, 207, 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, 207, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 207, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 207, 255);  
box-shadow:4px 4px 4px 4px rgb(171, 207,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.1574, 60.5036, 103.2736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 207, 255) }
```

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

```
.background{ background-color: rgb(171,  
207, 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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