

# Converting Colors

XYZ(61.0261, 71.9835,  
105.2855)

Have a look what the booklet for  
XYZ(61.0261, 71.9835, 105.2855)  
contains.

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# **Color**

**XYZ(60.9240, 71.7428,  
105.2444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FE7FF
RGB	159, 231, 255
RGB Percent	62%, 91%, 100%
CMY	0.3765, 0.0941, 0.0000
CMYK	0.38, 0.09, 0.00, 0.00
HSL	195°, 100%, 81%
HSV	195°, 38%, 100%
XYZ	60.9240, 71.7428, 105.2444
YIQ	212.2080, -50.6160, -7.8000

# Conversions

## Conversions Part 2

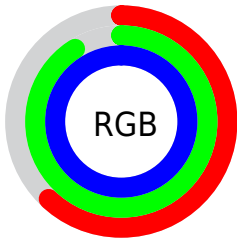
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 200, 255
Decimal	10479615
CIE Lab	87.84, -16.50, -18.70
CIE LCh	88, 24.940, 228.587
Yxy	71.7428, 0.2561, 0.3016
Android (android.graphics.Color)	4288669695 (0xFF9FE7FF)
YUV	212.2080, 21.0965, -46.6634
Hunter-Lab	84.7011, -19.8351, -14.3793

# Details

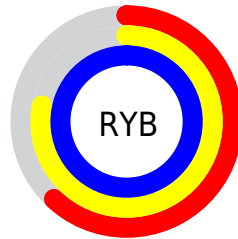
The XYZ color **60.9240, 71.7428, 105.2444** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4319, 57.6303, 40.5306**, and the grayscale version is **62.6076, 65.8680, 71.7303**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **31.1165, 37.6207, 59.0476** is the 20% darker color. If you saturate the color by 10%, you get **54.6280, 65.8983, 104.4482**, and if you desaturate by 10%, it is **68.3320, 78.2604, 106.1120**.

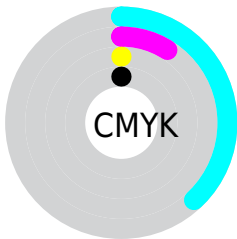
# Distribution



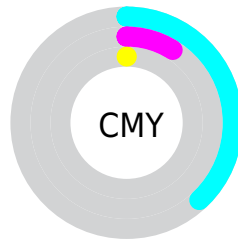
- Red (62%)
- Green (91%)
- Blue (100%)



- Red (62%)
- Yellow (78%)
- Blue (100%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.9240, 71.7428, 105.2444 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 60.9240, 71.7428, 105.2444 by changing the saturation by 10% instead.



60.9240, 71.7428,  
105.2444

60.9240, 71.7428,  
105.2444

417.7757,  
466.6459, 598.2687

44.4161, 52.9486,  
80.0463

105.2676,  
121.6908, 170.4602

31.1971, 37.7617,  
59.2301

133.8341,  
153.6134, 211.3150

20.9016, 25.7978,  
42.3771

167.1508,  
190.6809, 258.2258

13.1641, 16.6724,  
29.0689

205.5832,  
233.2777, 311.6112

7.6194, 10.0012,  
18.8869

249.4965,  
281.7882, 371.8896

3.9022, 5.3998,  
11.4126

299.2561,

1.6469, 2.4837,

336.5968, 439.4796

6.2274

355.2273,  
398.0879, 514.7998

■ 0.4227, 0.8685,  
2.9129

■ 0.0000, 0.0000,  
1.0503

■ 60.9240, 71.7428,  
105.2444

■ 60.9240, 71.7428,  
105.2444

■ 54.6280, 65.8983,  
104.4482

■ 68.3320, 78.2604,  
106.1120

■ 49.3726, 60.6840,  
103.7187

■ 76.9058, 85.4748,  
107.0527

■ 45.0876, 56.0643,  
103.0529

■ 86.7027, 93.4181,  
108.0695

■ 41.6905, 51.9958,  
102.4466

95.0500, 100.0000,  
108.9000

■ 39.0845, 48.4274,  
101.8952

■ 37.1419, 45.2922,  
101.3924

■ 36.7372, 44.5943,  
101.2791

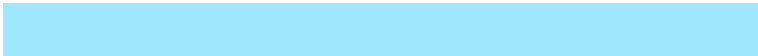
# Harmonies

## Analogous

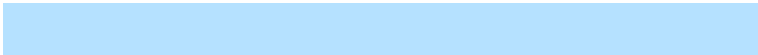
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.9460, 71.7428, 88.9898



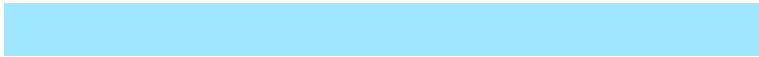
60.9240, 71.7428, 105.2444



65.9586, 71.7428, 114.6827

# Triad

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



60.9240, 71.7428, 105.2444



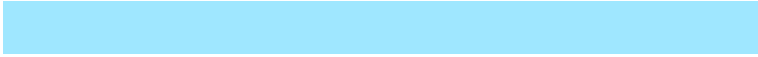
79.9838, 71.7428, 84.7550



64.6203, 71.7428, 51.0796

# Complementary

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



60.9240, 71.7428, 105.2444



64.4319, 57.6303, 40.5306

# 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.



70.4698, 71.7428, 50.2873



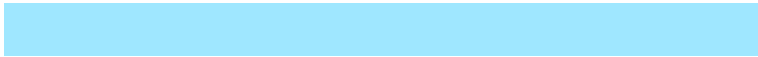
60.9240, 71.7428, 105.2444



79.5739, 71.7428, 68.1656

# Square

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



60.9240, 71.7428, 105.2444



77.1000, 71.7428, 101.7602



76.0106, 71.7428, 56.1022

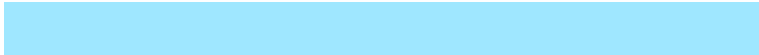


59.9932, 71.7428, 58.4507



# Rectangle

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



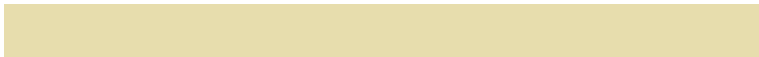
60.9240, 71.7428, 105.2444



69.9055, 71.7428, 115.0442



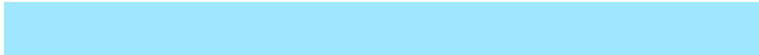
76.0106, 71.7428, 56.1022



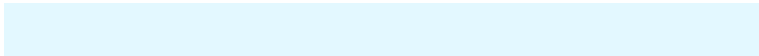
66.5016, 71.7428, 50.0791

# Sweetspot

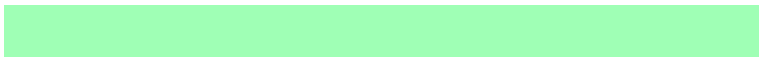
The Sweet Spot groups the original color and five complimentary colors.



60.9260, 71.7455, 105.2449



83.2766, 90.6704, 107.7197



58.4408, 82.2441, 56.7278



17.5369, 19.1746, 23.0267



0.0000, 0.0000, 0.0000

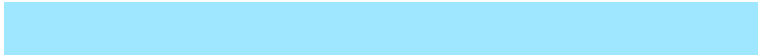


20.3446, 21.4041, 23.3091

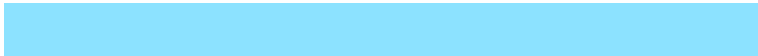


# Same Dimension

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



60.9260, 71.7455, 105.2449



56.1898, 67.3820, 104.6523



49.6149, 49.1234, 101.4745



18.1478, 19.6671, 23.0896



19.3207, 23.5510, 52.9621



1.9677, 2.4661, 5.1856



# Inverse Universe

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



68.0632, 51.8275, 82.0208



64.4256, 45.5977, 77.5848



75.6288, 80.0242, 44.2629



18.5872, 18.2182, 21.7095



26.5404, 13.1055, 27.2939

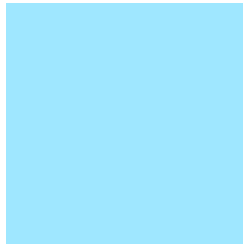


2.6278, 1.2935, 2.8875



# Previews

## White Background



This preview shows how the XYZ color 60.9240, 71.7428, 105.2444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

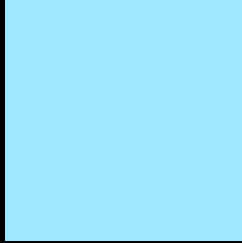
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.9240, 71.7428, 105.2444 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 60.9240, 71.7428, 105.2444

## Background



This preview shows how black text looks on a background with the XYZ color 60.9240, 71.7428, 105.2444.



This preview shows how white text looks on a background with the XYZ color 60.9240, 71.7428,



# 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

60.9240, 71.7428, 105.2444

### Protanopia

69.7303, 71.2437, 97.2650

### Deuteranopia

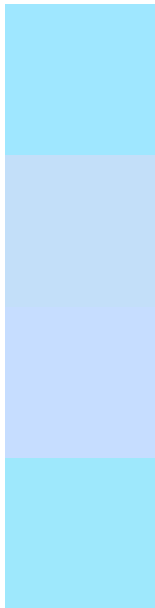
72.1692, 71.1930, 104.5456



## Tritanopia

60.2125, 71.8845, 101.1440

# Trichromacy



## Original Color

60.9240, 71.7428, 105.2444

## Protanomaly

65.9922, 71.2170, 99.8906

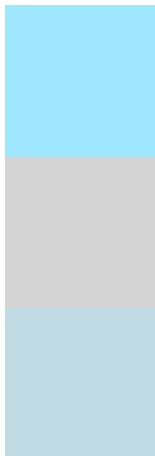
## Deuteranomaly

67.1952, 70.9387, 104.7587

## Tritanomaly

60.5279, 72.0106, 102.8047

# Monochromacy



## Original Color

60.9240, 71.7428, 105.2444

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.3274, 67.6019, 83.2150

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.9240, 71.7428, 105.2444 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(159, 231, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 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(159, 231, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 231, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.9240, 71.7428, 105.2444 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(159, 231, 255) }
```



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

```
.border{ border-color:rgb(159, 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(159, 231, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 231, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 231, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 231,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.9240, 71.7428, 105.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 231, 255) }
```

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

```
.background{ background-color: rgb(159,  
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](#).

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