

# Converting Colors

XYZ(60.2484, 69.5487,  
104.5993)

Have a look what the booklet for  
XYZ(60.2484, 69.5487, 104.5993)  
contains.

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# **Color**

**XYZ(60.1466, 69.2941,  
104.8128)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2E2FF
RGB	162, 226, 255
RGB Percent	64%, 89%, 100%
CMY	0.3647, 0.1137, 0.0000
CMYK	0.36, 0.11, 0.00, 0.00
HSL	199°, 100%, 82%
HSV	199°, 36%, 100%
XYZ	60.1466, 69.2941, 104.8128
YIQ	210.1700, -47.4530, -4.5490

# Conversions

## Conversions Part 2

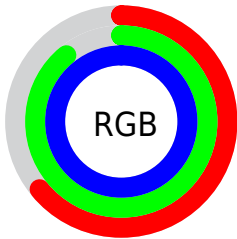
Format	Color
<a href="#">RYB</a>	<a href="#">162, 200, 255</a>
Decimal	<a href="#">10674943</a>
CIELab	<a href="#">86.65, -13.19, -20.49</a>
CIElCh	<a href="#">87, 24.371, 237.240</a>
Yxy	<a href="#">69.2941, 0.2568, 0.2958</a>
Android (android.graphics.Color)	<a href="#">4288865023</a> ( <a href="#">0xFFA2E2FF</a> )
YUV	<a href="#">210.1700, 22.1012, -42.2451</a>
Hunter-Lab	<a href="#">83.2431, -16.7017, -16.3829</a>

# Details

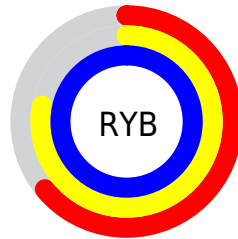
The XYZ color **60.1466, 69.2941, 104.8128** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.3926, 61.1302, 42.4842**, and the grayscale version is **61.2536, 64.4435, 70.1790**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **30.6998, 36.2672, 58.8083** is the 20% darker color. If you saturate the color by 10%, you get **53.3706, 62.6670, 103.8907**, and if you desaturate by 10%, it is **68.0770, 76.6684, 105.8182**.

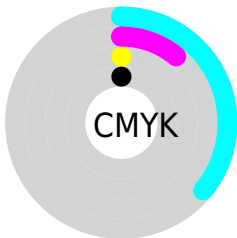
# Distribution



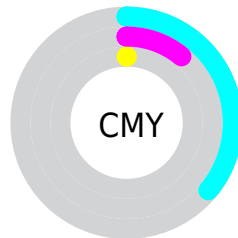
- Red (64%)
- Green (89%)
- Blue (100%)



- Red (64%)
- Yellow (78%)
- Blue (100%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.1466, 69.2941, 104.8128 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 60.1466, 69.2941, 104.8128 by changing the saturation by 10% instead.



60.1466, 69.2941,  
104.8128

60.1466, 69.2941,  
104.8128

414.9640,  
458.0676, 596.8932

43.7867, 50.9513,  
79.6868

104.1474,  
118.2015, 169.8648

30.7001, 36.1698,  
58.9360

132.5191,  
149.5349, 210.6279

20.5213, 24.5654,  
42.1419

165.6254,  
185.9673, 257.4404

12.8850, 15.7535,  
28.8860

203.8317,  
227.8830, 310.7209

7.4258, 9.3499,  
18.7498

247.5034,  
275.6665, 370.8878

3.7785, 4.9701,  
11.3146

297.0057,

1.5776, 2.2297,

329.7022, 438.3598

6.1621

352.7042,  
390.3744, 513.5554

■ 0.3777, 0.7361,  
2.8735

■ 0.0000, 0.0000,  
1.0304

■ 60.1466, 69.2941,  
104.8128

■ 60.1466, 69.2941,  
104.8128

■ 53.3706, 62.6670,  
103.8907

■ 68.0770, 76.6684,  
105.8182

■ 47.6779, 56.7436,  
103.0475

■ 77.2157, 84.8148,  
106.9089

■ 42.9983, 51.4872,  
102.2795

■ 87.6203, 93.7665,  
108.0884

■ 39.2502, 46.8538,  
101.5827

95.0500, 100.0000,  
108.9000

■ 36.3380, 42.7920,  
100.9522

■ 34.1427, 39.2381,  
100.3819

■ 33.4759, 38.0718,  
100.1920

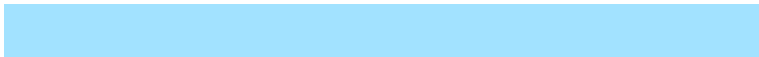
# Harmonies

## Analogous

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



56.6519, 69.2941, 90.6339



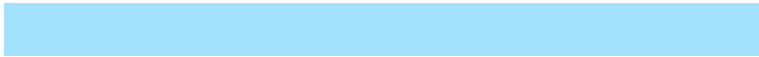
60.1466, 69.2941, 104.8128



65.3393, 69.2941, 111.0602

# Triad

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



60.1466, 69.2941, 104.8128



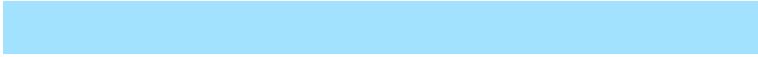
77.3415, 69.2941, 76.9605



61.0051, 69.2941, 50.9919

# Complementary

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



60.1466, 69.2941, 104.8128



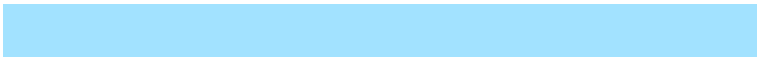
66.3926, 61.1302, 42.4842

# 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.



66.3875, 69.2941, 48.4028



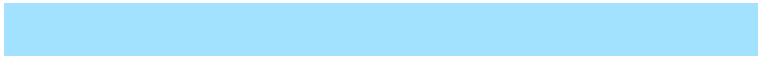
60.1466, 69.2941, 104.8128



76.0198, 69.2941, 62.0635

# Square

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



60.1466, 69.2941, 104.8128



75.4445, 69.2941, 93.6035



71.9284, 69.2941, 52.1566

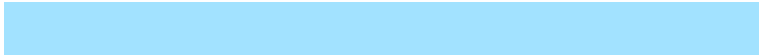


57.1272, 69.2941, 59.8090



# Rectangle

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



60.1466, 69.2941, 104.8128



69.1404, 69.2941, 109.3043



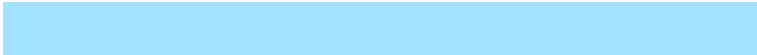
71.9284, 69.2941, 52.1566



62.6889, 69.2941, 49.4246

# Sweetspot

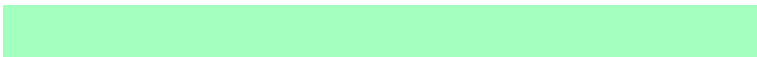
The Sweet Spot groups the original color and five complimentary colors.



60.1485, 69.2967, 104.8132



82.7459, 89.6090, 107.5428



59.9447, 82.9152, 61.5042



17.4099, 18.9208, 22.9844



0.0000, 0.0000, 0.0000

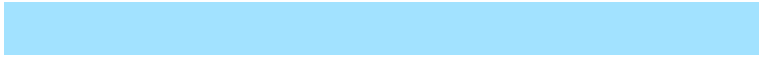


20.3446, 21.4041, 23.3091

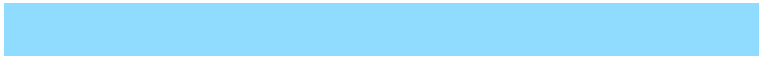


# Same Dimension

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



60.1485, 69.2967, 104.8132



54.9406, 64.2368, 104.1110



49.3943, 47.7883, 101.2284



18.0491, 19.4697, 23.0567



17.6312, 20.1720, 52.3989



1.8143, 2.1592, 5.1344



# Inverse Universe

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



67.8890, 52.5932, 78.5278



63.9529, 46.0131, 73.2323



77.8729, 84.0907, 46.3109



18.5374, 18.1983, 21.4471



25.6876, 12.7643, 22.8032

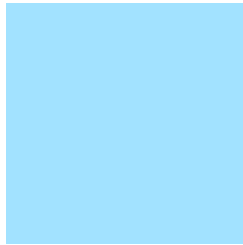


2.5504, 1.2625, 2.4796



# Previews

## White Background



This preview shows how the XYZ color 60.1466, 69.2941, 104.8128 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

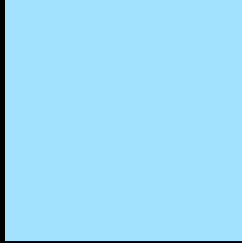
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.1466, 69.2941, 104.8128 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

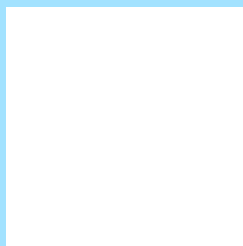
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 60.1466, 69.2941, 104.8128

## Background



This preview shows how black text looks on a background with the XYZ color 60.1466, 69.2941, 104.8128.



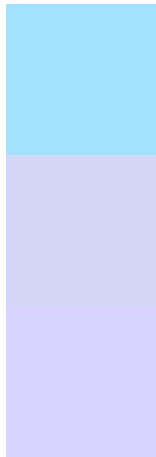
This preview shows how white text looks on a background with the XYZ color 60.1466, 69.2941,



# 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

60.1466, 69.2941, 104.8128

### Protanopia

67.6990, 68.6574, 97.6798

### Deuteranopia

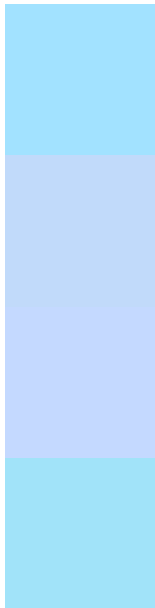
69.9124, 68.9059, 104.2231



## **Tritanopia**

58.8752, 69.6142, 97.5226

# Trichromacy



**Original Color**

60.1466, 69.2941, 104.8128

**Protanomaly**

64.3190, 68.3824, 100.2516

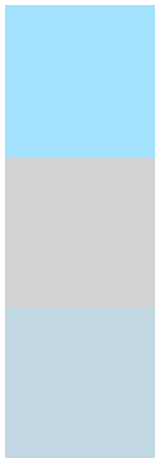
**Deuteranomaly**

65.6278, 68.5815, 104.3863

**Tritanomaly**

59.2659, 69.3548, 99.8857

# Monochromacy



**Original Color**

60.1466, 69.2941, 104.8128

**Achromatopsia**

61.2578, 64.4480, 70.1838

**Achromatomaly**

60.2757, 65.9402, 81.5024

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.1466, 69.2941, 104.8128 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(162, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 226, 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(162, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 226, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 60.1466, 69.2941, 104.8128 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(162, 226, 255) }
```



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

```
.border{ border-color:rgb(162, 226, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 226,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.1466, 69.2941, 104.8128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 226, 255) }
```

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

```
.background{ background-color: rgb(162,  
226, 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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