

# Converting Colors

XYZ(62.3929, 70.1840,  
104.8662)

Have a look what the booklet for  
XYZ(62.3929, 70.1840, 104.8662)  
contains.

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# Color

**XYZ(62.2088, 69.9547,  
104.8316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ADE1FF
RGB	173, 225, 255
RGB Percent	68%, 88%, 100%
CMY	0.3216, 0.1176, 0.0000
CMYK	0.32, 0.12, 0.00, 0.00
HSL	202°, 100%, 84%
HSV	202°, 32%, 100%
XYZ	62.2088, 69.9547, 104.8316
YIQ	212.8720, -40.6220, -1.6940

# Conversions

## Conversions Part 2

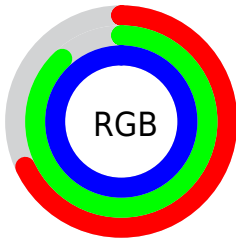
Format	Color
R <sub>Y</sub> B	173, 205, 255
Decimal	11395583
CIE Lab	86.97, -9.74, -19.95
CIE LCh	87, 22.196, 243.977
Yxy	69.9547, 0.2625, 0.2952
Android (android.graphics.Color)	4289585663 (0xFFADEF)
YUV	212.8720, 20.7691, -34.9677
Hunter-Lab	83.6389, -13.6037, -15.7658

# Details

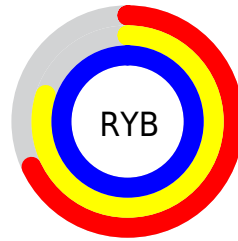
The XYZ color **62.2088, 69.9547, 104.8316** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **70.1390, 66.9888, 48.7704**, and the grayscale version is **63.0471, 66.3304, 72.2338**.

A 20% lighter version of the original color is **86.4431, 95.5630, 108.4972**, and **32.0390, 36.6782, 58.8171** is the 20% darker color. If you saturate the color by 10%, you get **54.6460, 62.4155, 103.7750**, and if you desaturate by 10%, it is **70.9893, 78.3295, 105.9853**.

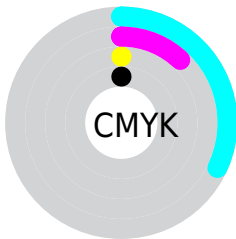
# Distribution



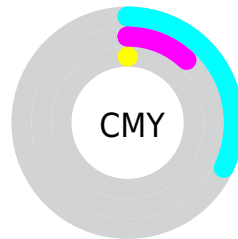
- Red (68%)
- Green (88%)
- Blue (100%)



- Red (68%)
- Yellow (80%)
- Blue (100%)



- Cyan (32%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (32%)
- Magenta (12%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.2088, 69.9547, 104.8316 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 62.2088, 69.9547, 104.8316 by changing the saturation by 10% instead.



62.2088, 69.9547,  
104.8316

62.2088, 69.9547,  
104.8316

422.3977,  
460.3909, 596.9531

45.4577, 51.4896,  
79.7024

107.1155,  
119.1442, 169.8908

32.0209, 36.5984,  
58.9488

136.0018,  
150.6373, 210.6579

21.5331, 24.8967,  
42.1521

169.6638,  
187.2419, 257.4746

13.6289, 16.0001,  
28.8940

208.4669,  
229.3424, 310.7597

7.9430, 9.5242,  
18.7557

252.7765,  
277.3232, 370.9315

4.1100, 5.0847,  
11.3189

302.9580,

1.7645, 2.2970,

331.5686, 438.4087

6.1649

359.3766,  
392.4630, 513.6097

■ 0.4962, 0.7721,  
2.8752

■ 0.0000, 0.0000,  
1.0313

■ 62.2088, 69.9547,  
104.8316

■ 62.2088, 69.9547,  
104.8316

■ 54.6460, 62.4155,  
103.7750

■ 70.9893, 78.3295,  
105.9853

■ 48.2316, 55.6680,  
102.8107

■ 81.0403, 87.5654,  
107.2383

■ 42.8976, 49.6754,  
101.9351

■ 92.4186, 97.6962,  
108.5940

■ 38.5660, 44.3942,  
101.1440

95.0500, 100.0000,  
108.9000

■ 35.1471, 39.7746,  
100.4326

■ 32.5329, 35.7574,  
99.7949

■ 30.9204, 32.9609,  
99.3401

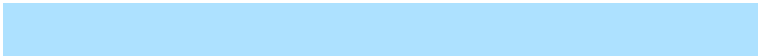
# Harmonies

## Analogous

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



58.5563, 69.9547, 93.2750



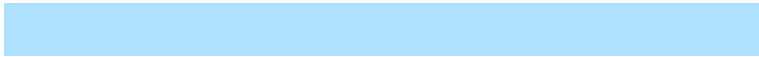
62.2088, 69.9547, 104.8316



67.1840, 69.9547, 108.3692

# Triad

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



62.2088, 69.9547, 104.8316



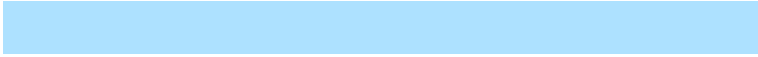
76.9453, 69.9547, 74.2048



61.0697, 69.9547, 54.8501

# Complementary

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



62.2088, 69.9547, 104.8316



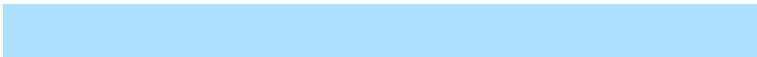
70.1390, 66.9888, 48.7704

# 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.



65.8005, 69.9547, 51.0768



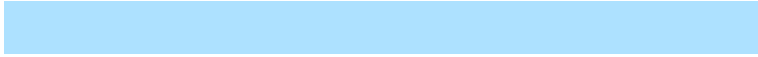
62.2088, 69.9547, 104.8316



75.1094, 69.9547, 61.2933

# Square

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



62.2088, 69.9547, 104.8316



75.8622, 69.9547, 89.4024



70.9629, 69.9547, 53.2738

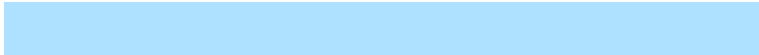


57.9231, 69.9547, 64.3101



# Rectangle

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



62.2088, 69.9547, 104.8316



70.6262, 69.9547, 105.3662



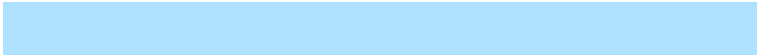
70.9629, 69.9547, 53.2738



62.5183, 69.9547, 52.9347

# Sweetspot

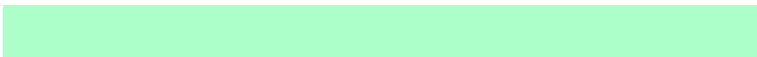
The Sweet Spot groups the original color and five complimentary colors.



62.2107, 69.9574, 104.8320



83.3789, 89.6723, 107.5217



63.6198, 84.6548, 68.6794



17.5186, 18.8985, 22.9744



0.0000, 0.0000, 0.0000

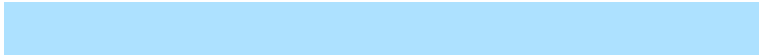


20.3446, 21.4041, 23.3091

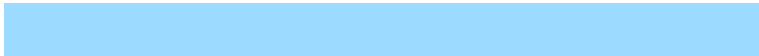


# Same Dimension

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



62.2107, 69.9574, 104.8320



56.9057, 64.7078, 104.0983



52.6968, 50.9295, 101.6607



17.9634, 19.2985, 23.0282



16.3039, 17.5173, 51.9565



1.6917, 1.9140, 5.0936



# Inverse Universe

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



69.7754, 56.5850, 78.4816



65.7892, 49.9806, 72.9352



80.7442, 88.1994, 52.3055



18.4942, 18.1810, 21.2196



25.0176, 12.4963, 19.2751

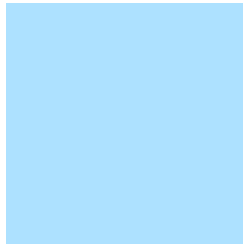


2.4885, 1.2378, 2.1537



# Previews

## White Background



This preview shows how the XYZ color 62.2088, 69.9547, 104.8316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

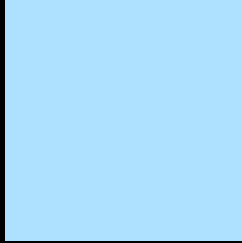
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.2088, 69.9547, 104.8316 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

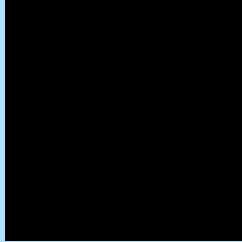
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.2088, 69.9547, 104.8316

## Background



This preview shows how black text looks on a background with the XYZ color 62.2088, 69.9547, 104.8316.



This preview shows how white text looks on a background with the XYZ color 62.2088, 69.9547,



# 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

62.2088, 69.9547, 104.8316

### Protanopia

68.5507, 69.4375, 99.4123

### Deuteranopia

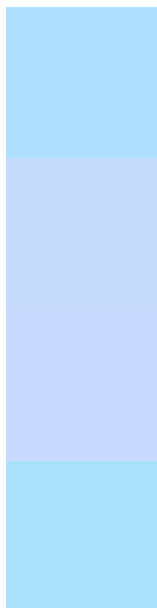
70.7577, 69.7139, 104.3345



## Tritanopia

60.7451, 70.1887, 96.7324

# Trichromacy



## Original Color

62.2088, 69.9547, 104.8316

## Protanomaly

66.0328, 69.6338, 101.2272

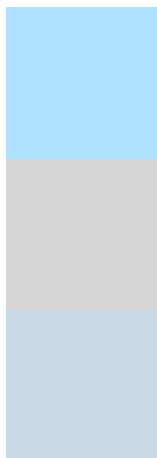
## Deuteranomaly

67.2200, 69.4023, 104.4608

## Tritanomaly

61.3085, 70.0029, 99.9031

# Monochromacy



## Original Color

62.2088, 69.9547, 104.8316

## Achromatopsia

63.2451, 66.5387, 72.4607

## Achromatomaly

62.1051, 67.2329, 83.1027

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.2088, 69.9547, 104.8316 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(173, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(173, 225, 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(173, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 225, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.2088, 69.9547, 104.8316 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(173, 225, 255) }
```



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

```
.border{ border-color:rgb(173, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(173, 225,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.2088, 69.9547, 104.8316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 225, 255) }
```

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

```
.background{ background-color: rgb(173,  
225, 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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