

# Converting Colors

XYZ(62.0117, 73.4291,  
105.5126)

Have a look what the booklet for  
XYZ(62.0117, 73.4291, 105.5126)  
contains.

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# **Color**

**XYZ(62.1708, 73.6427,  
105.5455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1EAFB
RGB	161, 234, 255
RGB Percent	63%, 92%, 100%
CMY	0.3686, 0.0823, 0.0000
CMYK	0.37, 0.08, 0.00, 0.00
HSL	193°, 100%, 82%
HSV	193°, 37%, 100%
XYZ	62.1708, 73.6427, 105.5455
YIQ	214.5670, -50.2490, -8.9450

# Conversions

## Conversions Part 2

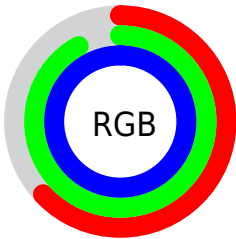
Format	Color
R <sub>Y</sub> B	161, 202, 255
Decimal	10611455
CIE Lab	88.75, -17.49, -17.33
CIE LCh	89, 24.621, 224.725
Yxy	73.6427, 0.2576, 0.3051
Android (android.graphics.Color)	4288801535 (0xFFA1EAF5)
YUV	214.5670, 19.9335, -46.9783
Hunter-Lab	85.8153, -20.8586, -12.8509

# Details

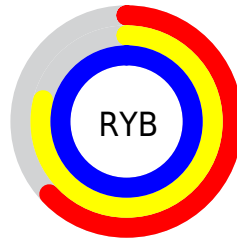
The XYZ color **62.1708, 73.6427, 105.5455** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.4014, 57.2894, 41.3839**, and the grayscale version is **64.1944, 67.5375, 73.5483**.

A 20% lighter version of the original color is **83.0234, 93.8001, 108.3372**, and **31.9391, 38.9213, 59.2553** is the 20% darker color. If you saturate the color by 10%, you get **55.9513, 68.0693, 104.7975**, and if you desaturate by 10%, it is **69.4943, 79.8661, 106.3607**.

# Distribution



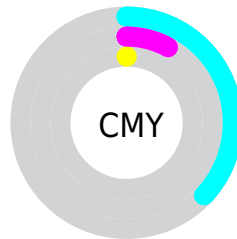
- Red (63%)
- Green (92%)
- Blue (100%)



- Red (63%)
- Yellow (79%)
- Blue (100%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1708, 73.6427, 105.5455 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 62.1708, 73.6427, 105.5455 by changing the saturation by 10% instead.



62.1708, 73.6427,  
105.5455

62.1708, 73.6427,  
105.5455

422.2615,  
473.2393, 599.2274

45.4268, 54.5017,  
80.2972

107.0609,  
124.3892, 170.8754

31.9965, 39.0029,  
59.4354

135.9377,  
156.7634, 211.7941

21.5143, 26.7620,  
42.5414

169.5896,  
194.3175, 258.7734

13.6151, 17.3945,  
29.1967

208.3818,  
237.4358, 312.2318

7.9333, 10.5162,  
18.9828

252.6798,  
286.5027, 372.5879

4.1038, 5.7425,  
11.4812

302.8488,

1.7610, 2.6892,

341.9027, 440.2601

6.2732

359.2542,  
404.0201, 515.6671

■ 0.4940, 0.9717,  
2.9405

■ 0.0000, 0.0000,  
1.0643

■ 62.1708, 73.6427,  
105.5455

■ 62.1708, 73.6427,  
105.5455

■ 55.9513, 68.0693,  
104.7975

■ 69.4943, 79.8661,  
106.3607

■ 50.7651, 63.1036,  
104.1124

■ 77.9750, 86.7624,  
107.2448

■ 46.5427, 58.7107,  
103.4870

■ 87.6696, 94.3633,  
108.2010

■ 43.2029, 54.8480,  
102.9174

95.0500, 100.0000,  
108.9000

■ 40.6504, 51.4656,  
102.3991

■ 38.7647, 48.5007,  
101.9262

■ 38.2533, 47.6266,  
101.7844

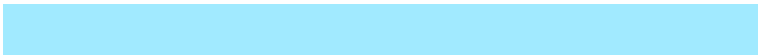
# Harmonies

## Analogous

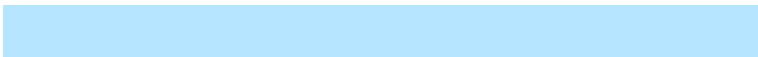
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.4946, 73.6427, 88.8117



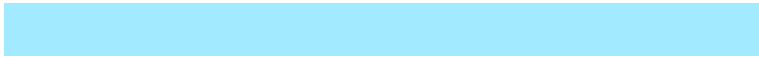
62.1708, 73.6427, 105.5455



67.0216, 73.6427, 116.1616

# Triad

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



62.1708, 73.6427, 105.5455



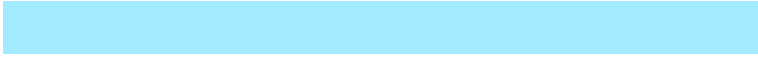
81.6323, 73.6427, 89.1380



67.1249, 73.6427, 52.4661

# Complementary

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



62.1708, 73.6427, 105.5455



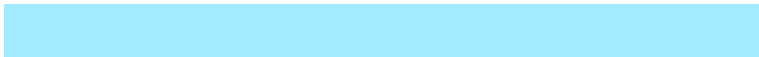
64.4014, 57.2894, 41.3839

# 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.



73.0554, 73.6427, 52.5276



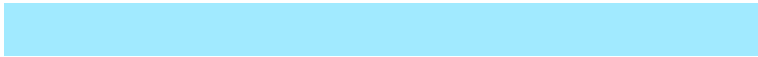
62.1708, 73.6427, 105.5455



81.6639, 73.6427, 72.1347

# Square

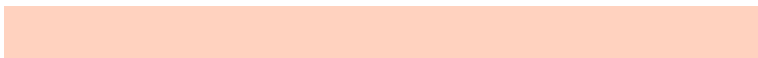
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



62.1708, 73.6427, 105.5455



78.3660, 73.6427, 105.8134



78.4499, 73.6427, 59.2508

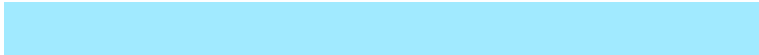


62.2427, 73.6427, 59.0688



# Rectangle

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



62.1708, 73.6427, 105.5455



70.9426, 73.6427, 117.5074



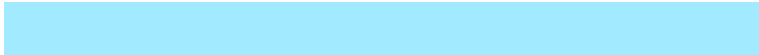
78.4499, 73.6427, 59.2508



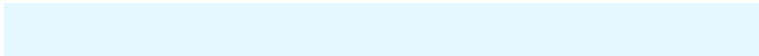
69.0563, 73.6427, 51.7417

# Sweetspot

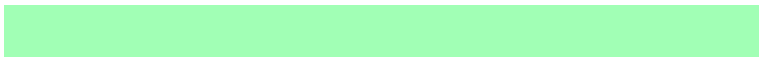
The Sweet Spot groups the original color and five complimentary colors.



62.1728, 73.6455, 105.5459



83.5064, 91.1301, 107.7963



58.8373, 82.4489, 56.7286



17.5919, 19.2846, 23.0451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

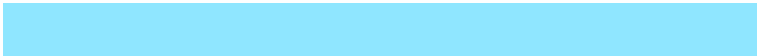


# Same Dimension

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



62.1728, 73.6455, 105.5459



57.6226, 69.6008, 105.0050



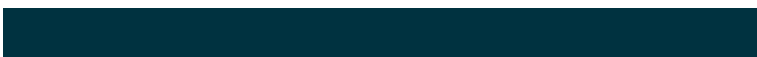
50.6545, 50.6088, 101.7064



18.1905, 19.7526, 23.1038



20.1048, 25.1192, 53.2234



2.0381, 2.6069, 5.2090



# Inverse Universe

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



68.8375, 52.6920, 84.3874



65.3066, 46.5546, 80.3610



75.5181, 79.5228, 45.0894



18.6088, 18.2268, 21.8230



26.9362, 13.2638, 29.3780

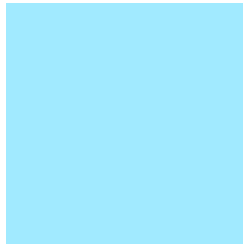


2.6633, 1.3077, 3.0745



# Previews

## White Background



This preview shows how the XYZ color 62.1708, 73.6427, 105.5455 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

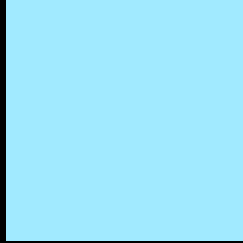
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1708, 73.6427, 105.5455 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 62.1708, 73.6427, 105.5455

## Background



This preview shows how black text looks on a background with the XYZ color 62.1708, 73.6427, 105.5455.



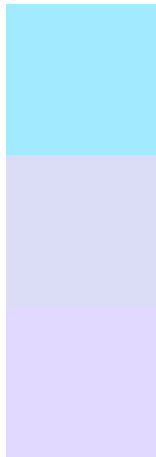
This preview shows how white text looks on a background with the XYZ color 62.1708, 73.6427,



# 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

62.1708, 73.6427, 105.5455

### Protanopia

71.4412, 72.9003, 97.4946

### Deuteranopia

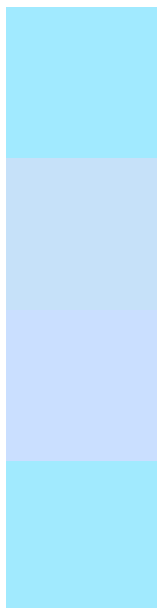
73.9142, 72.8533, 104.7741



## Tritanopia

61.8504, 73.5146, 103.8584

# Trichromacy



## Original Color

62.1708, 73.6427, 105.5455

## Protanomaly

67.3128, 72.6957, 100.1065

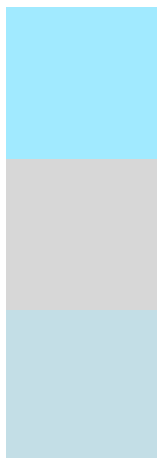
## Deuteranomaly

68.7948, 72.5519, 104.9858

## Tritanomaly

62.0102, 73.5785, 104.6997

# Monochromacy



## Original Color

62.1708, 73.6427, 105.5455

## Achromatopsia

64.5905, 67.9542, 74.0022

## Achromatomaly

62.9099, 69.5578, 84.9732

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1708, 73.6427, 105.5455 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(161, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 234, 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(161, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 234, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1708, 73.6427, 105.5455 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(161, 234, 255) }
```



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

```
.border{ border-color:rgb(161, 234, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 234, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 234,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1708, 73.6427, 105.5455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 234, 255) }
```

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

```
.background{ background-color: rgb(161,  
234, 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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