

# Converting Colors

XYZ(63.0739, 75.1483,  
105.7885)

Have a look what the booklet for  
XYZ(63.0739, 75.1483, 105.7885)  
contains.

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# Color

**XYZ(62.9457, 74.8923,  
105.7458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2ECFF
RGB	162, 236, 255
RGB Percent	64%, 93%, 100%
CMY	0.3647, 0.0745, 0.0000
CMYK	0.36, 0.07, 0.00, 0.00
HSL	192°, 100%, 82%
HSV	192°, 36%, 100%
XYZ	62.9457, 74.8923, 105.7458
YIQ	216.0400, -50.2030, -9.7790

# Conversions

## Conversions Part 2

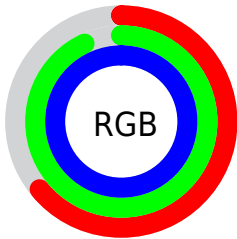
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 203, 255
Decimal	10677503
CIELab	89.34, -18.24, -16.44
CIELCh	89, 24.550, 222.025
Yxy	74.8923, 0.2584, 0.3075
Android (android.graphics.Color)	4288867583 (0xFFA2ECFF)
YUV	216.0400, 19.2073, -47.3931
Hunter-Lab	86.5403, -21.6124, -11.8697

# Details

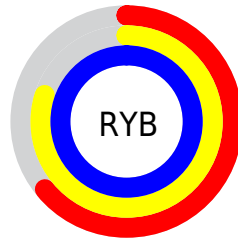
The XYZ color **62.9457, 74.8923, 105.7458** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.2857, 56.9163, 41.7819**, and the grayscale version is **65.1970, 68.5924, 74.6971**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **32.4582, 39.7839, 59.3944** is the 20% darker color. If you saturate the color by 10%, you get **56.8041, 69.5340, 105.0352**, and if you desaturate by 10%, it is **70.1854, 80.8852, 106.5210**.

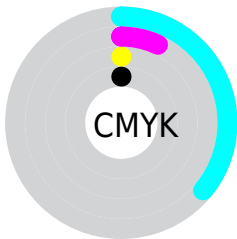
# Distribution



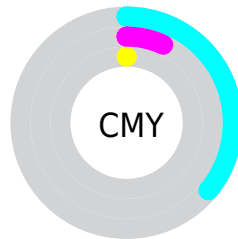
- Red (64%)
- Green (93%)
- Blue (100%)



- Red (64%)
- Yellow (80%)
- Blue (100%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9457, 74.8923, 105.7458 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 62.9457, 74.8923, 105.7458 by changing the saturation by 10% instead.





 62.9457, 74.8923,  
105.7458


 62.9457, 74.8923,  
105.7458


425.0352,  
477.5473, 599.8646

 46.0558, 55.5247,  
80.4642


 108.1734,  
126.1599, 171.1516

 32.4946, 39.8219,  
59.5720

 137.2419,  
158.8286, 212.1128

 21.8970, 27.3997,  
42.6507


171.1006,  
196.6999, 259.1376

 13.8974, 17.8737,  
29.2818

210.1150,  
240.1580, 312.6445

 8.1306, 10.8593,  
19.0467

254.6502,  
289.5874, 373.0522

 4.2311, 5.9723,  
11.5268

305.0718,

 1.8337, 2.8283,

345.3725, 440.7791

6.3038

361.7450,  
407.8977, 516.2437

■ 0.5378, 1.0427,  
2.9589

■ 0.0000, 0.0000,  
1.0737

■ 62.9457, 74.8923,  
105.7458

■ 62.9457, 74.8923,  
105.7458

■ 56.8041, 69.5340,  
105.0352

■ 70.1854, 80.8852,  
106.5210

■ 51.6902, 64.7680,  
104.3849

■ 78.5759, 87.5351,  
107.3623

■ 47.5348, 60.5601,  
103.7917

■ 88.1737, 94.8734,  
108.2729

■ 44.2573, 56.8680,  
103.2518

95.0500, 100.0000,  
108.9000

■ 41.7633, 53.6425,  
102.7606

■ 39.9347, 50.8222,  
102.3126

■ 39.3854, 49.8907,  
102.1618

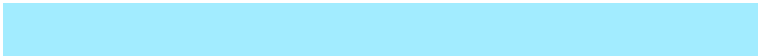
# Harmonies

## Analogous

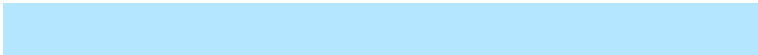
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



60.4767, 74.8923, 88.6301



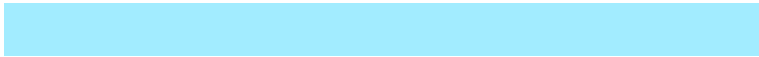
62.9457, 74.8923, 105.7458



67.6789, 74.8923, 117.2158

# Triad

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



62.9457, 74.8923, 105.7458



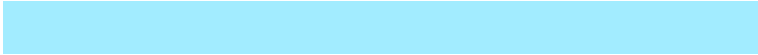
82.7400, 74.8923, 92.1811



68.8043, 74.8923, 53.2906

# Complementary

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



62.9457, 74.8923, 105.7458



64.2857, 56.9163, 41.7819

# 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.



74.8058, 74.8923, 53.9623



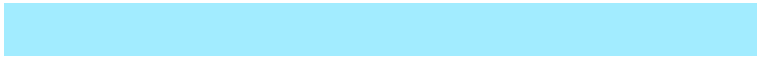
62.9457, 74.8923, 105.7458



83.0834, 74.8923, 74.8478

# Square

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



62.9457, 74.8923, 105.7458



79.1957, 74.8923, 108.6581



80.1091, 74.8923, 61.3506

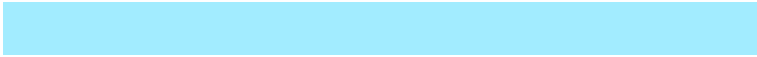


63.7296, 74.8923, 59.3649

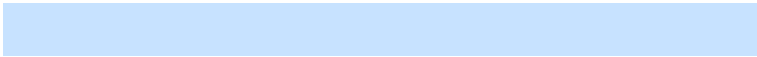


# Rectangle

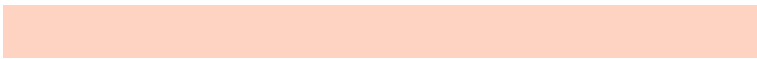
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.9457, 74.8923, 105.7458



71.5917, 74.8923, 119.2568



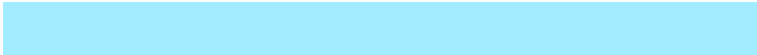
80.1091, 74.8923, 61.3506



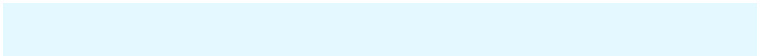
70.7756, 74.8923, 52.7614

# Sweetspot

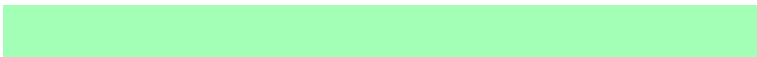
The Sweet Spot groups the original color and five complimentary colors.



62.9477, 74.8951, 105.7463



83.6721, 91.4614, 107.8516



58.9609, 82.5217, 56.3235



17.6315, 19.3640, 23.0583



0.0000, 0.0000, 0.0000

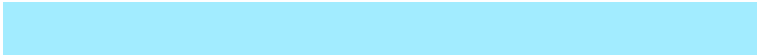


20.3446, 21.4041, 23.3091

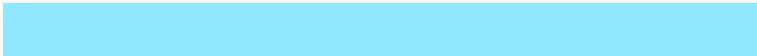


# Same Dimension

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



62.9477, 74.8951, 105.7463



58.2227, 70.8010, 105.2050



51.3434, 51.6865, 101.8781



18.2213, 19.8141, 23.1141



20.6897, 26.2891, 53.4184



2.0903, 2.7113, 5.2264



# Inverse Universe

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



69.3019, 53.1584, 85.9681



65.6096, 46.6758, 81.9561



75.2587, 78.8623, 45.4396



18.6243, 18.2330, 21.9048



27.2314, 13.3819, 30.9328

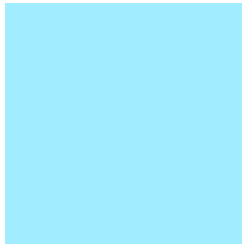


2.6897, 1.3183, 3.2133



# Previews

## White Background



This preview shows how the XYZ color 62.9457, 74.8923, 105.7458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

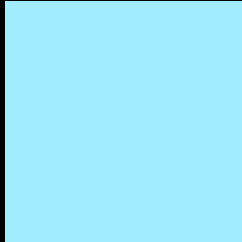
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9457, 74.8923, 105.7458 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 62.9457, 74.8923, 105.7458

## Background



This preview shows how black text looks on a background with the XYZ color 62.9457, 74.8923, 105.7458.



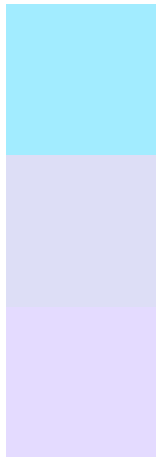
This preview shows how white text looks on a background with the XYZ color 62.9457, 74.8923,



# 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

62.9457, 74.8923, 105.7458

### Protanopia

72.5746, 74.2685, 97.6989

### Deuteranopia

75.3764, 74.3770, 104.9912



## Tritanopia

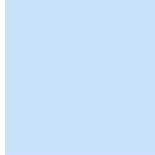
62.9457, 74.8923, 105.7458

# Trichromacy



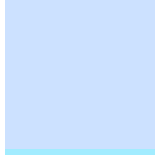
## Original Color

62.9457, 74.8923, 105.7458



## Protanomaly

68.3874, 74.0571, 100.3126



## Deuteranomaly

69.8771, 73.9078, 105.1905



## Tritanomaly

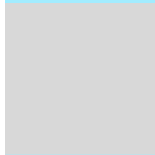
62.9457, 74.8923, 105.7458

# Monochromacy



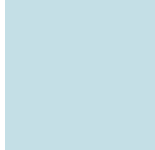
## Original Color

62.9457, 74.8923, 105.7458



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

63.4356, 70.2243, 85.0741

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9457, 74.8923, 105.7458 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, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 236, 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, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9457, 74.8923, 105.7458 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, 236, 255) }
```



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

```
.border{ border-color:rgb(162, 236, 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, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9457, 74.8923, 105.7458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 236, 255) }
```

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

```
.background{ background-color: rgb(162,  
236, 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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