

# Converting Colors

XYZ(87.5467, 84.5113,  
240.0422)

Have a look what the booklet for  
XYZ(87.5467, 84.5113, 240.0422)  
contains.

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# Color

**XYZ(62.1460, 74.4800,  
105.7084)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EECFE
RGB	158, 236, 255
RGB Percent	62%, 93%, 100%
CMY	0.3804, 0.0745, 0.0000
CMYK	0.38, 0.07, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 38%, 100%
XYZ	62.1460, 74.4800, 105.7084
YIQ	214.8440, -52.5870, -10.6270

# Conversions

## Conversions Part 2

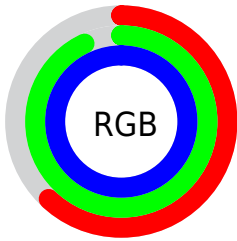
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	158, 201, 255
Decimal	10415359
CIE Lab	89.15, -19.26, -16.75
CIE LCh	89, 25.519, 221.012
Yxy	74.4800, 0.2564, 0.3073
Android (android.graphics.Color)	4288605439 (0xFF9EECFF)
YUV	214.8440, 19.7969, -49.8522
Hunter-Lab	86.3018, -22.4901, -12.2112

# Details

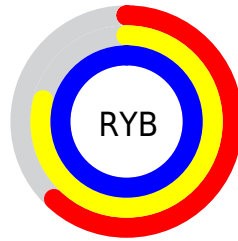
The XYZ color **62.1460, 74.4800, 105.7084** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **63.1341, 55.1731, 39.6716**, and the grayscale version is **64.3834, 67.7363, 73.7649**.

A 20% lighter version of the original color is **82.1289, 93.3389, 108.2953**, and **31.8811, 39.4864, 59.3674** is the 20% darker color. If you saturate the color by 10%, you get **56.2235, 69.3238, 105.0253**, and if you desaturate by 10%, it is **69.1533, 80.2587, 106.4545**.

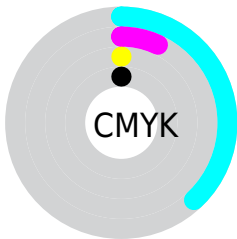
# Distribution



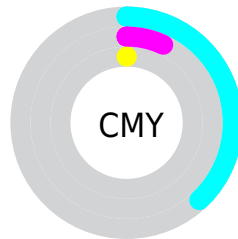
- Red (62%)
- Green (93%)
- Blue (100%)



- Red (62%)
- Yellow (79%)
- Blue (100%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.1460, 74.4800, 105.7084 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 62.1460, 74.4800, 105.7084 by changing the saturation by 10% instead.



62.1460, 74.4800,  
105.7084

62.1460, 74.4800,  
105.7084

422.1725,  
476.1284, 599.7457

45.4067, 55.1870,  
80.4330

107.0253,  
125.5760, 171.1000

31.9806, 39.5515,  
59.5465

135.8960,  
158.1478, 212.0533

21.5021, 27.1890,  
42.6303

169.5412,  
195.9146, 259.0696

13.6061, 17.7152,  
29.2659

208.3263,  
239.2609, 312.5675

7.9271, 10.7457,  
19.0347

252.6166,  
288.5710, 372.9655

4.0997, 5.8961,  
11.5183

302.7775,

1.7587, 2.7820,

344.2294, 440.6822

6.2981

359.1744,  
406.6204, 516.1361

■ 0.4926, 1.0190,  
2.9555

■ 0.0000, 0.0000,  
1.0719

■ 62.1460, 74.4800,  
105.7084

■ 62.1460, 74.4800,  
105.7084

■ 56.2235, 69.3238,  
105.0253

■ 69.1533, 80.2587,  
106.4545

■ 51.3147, 64.7476,  
104.4007

■ 77.2991, 86.6826,  
107.2651

■ 47.3490, 60.7163,  
103.8316

■ 86.6403, 93.7835,  
108.1433

■ 44.2442, 57.1871,  
103.3140

95.0500, 100.0000,  
108.9000

■ 41.9030, 54.1092,  
102.8433

■ 40.1936, 51.4143,  
102.4133

■ 39.8957, 50.9115,  
102.3319

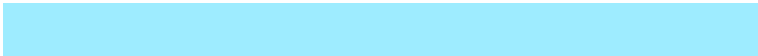
# Harmonies

## Analogous

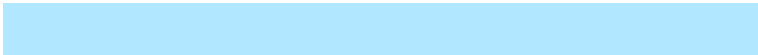
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.6903, 74.4800, 87.8149



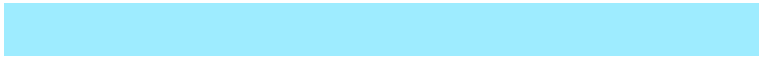
62.1460, 74.4800, 105.7084



66.9712, 74.4800, 117.9798

# Triad

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



62.1460, 74.4800, 105.7084



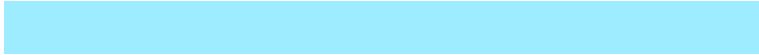
82.7107, 74.4800, 92.7568



68.5314, 74.4800, 51.9115

# Complementary

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



62.1460, 74.4800, 105.7084



63.1341, 55.1731, 39.6716

# 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.



74.7534, 74.4800, 52.8327



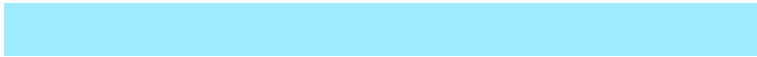
62.1460, 74.4800, 105.7084



83.1891, 74.4800, 74.7290

# Square

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



62.1460, 74.4800, 105.7084



78.9313, 74.4800, 109.7789



80.2027, 74.4800, 60.6353

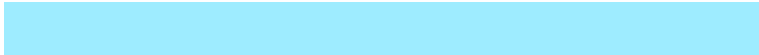


63.2306, 74.4800, 57.9026

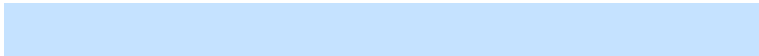


# Rectangle

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



62.1460, 74.4800, 105.7084



71.0024, 74.4800, 120.3816



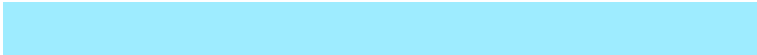
80.2027, 74.4800, 60.6353



70.5801, 74.4800, 51.4485

# Sweetspot

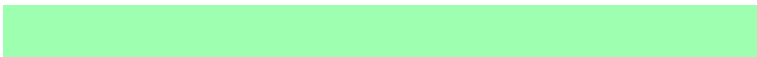
The Sweet Spot groups the original color and five complimentary colors.



62.1480, 74.4828, 105.7088



83.7453, 91.6077, 107.8760



57.6768, 81.9157, 53.7352



17.6491, 19.3991, 23.0641



0.0000, 0.0000, 0.0000

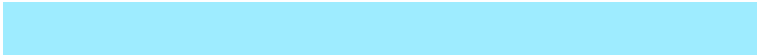


20.3446, 21.4041, 23.3091

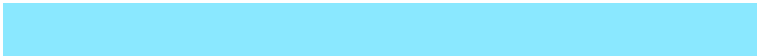


# Same Dimension

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



62.1480, 74.4828, 105.7088



57.3461, 70.3265, 105.1597



50.2887, 50.7642, 101.7557



18.2348, 19.8413, 23.1186



20.9533, 26.8162, 53.5063



2.1138, 2.7582, 5.2343



# Inverse Universe

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



68.6085, 51.7715, 85.7369



64.8549, 45.1788, 81.6667



74.1442, 77.1932, 43.3416



18.6312, 18.2358, 21.9409



27.3645, 13.4351, 31.6334

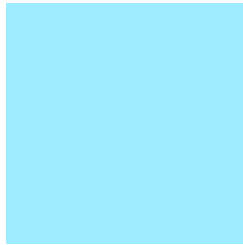


2.7015, 1.3230, 3.2757



# Previews

## White Background



This preview shows how the XYZ color 62.1460, 74.4800, 105.7084 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

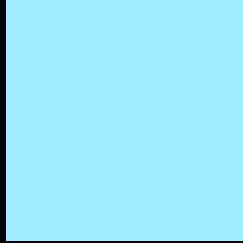
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.1460, 74.4800, 105.7084 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

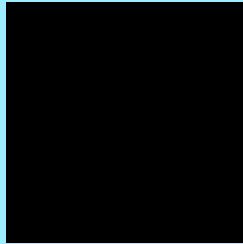
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.1460, 74.4800, 105.7084

## Background



This preview shows how black text looks on a background with the XYZ color 62.1460, 74.4800, 105.7084.



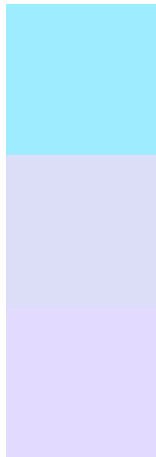
This preview shows how white text looks on a background with the XYZ color 62.1460, 74.4800,



# 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

62.1460, 74.4800, 105.7084

### Protanopia

72.0062, 73.5824, 97.5965

### Deuteranopia

74.8000, 73.6937, 104.8897



## Tritanopia

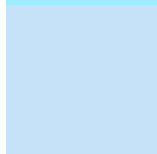
62.1460, 74.4800, 105.7084

# Trichromacy



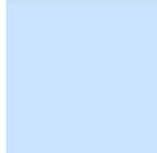
## Original Color

62.1460, 74.4800, 105.7084



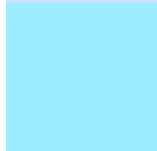
## Protanomaly

67.3212, 73.1026, 100.1845



## Deuteranomaly

69.3323, 73.6270, 105.1650



## Tritanomaly

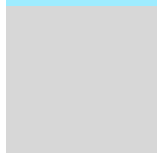
62.1460, 74.4800, 105.7084

# Monochromacy



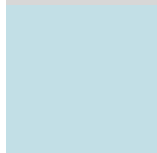
## Original Color

62.1460, 74.4800, 105.7084



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

62.9187, 69.9579, 85.0500

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.1460, 74.4800, 105.7084 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(158, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 236, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.1460, 74.4800, 105.7084 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(158, 236, 255) }
```



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

```
.border{ border-color:rgb(158, 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(158, 236, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 236,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.1460, 74.4800, 105.7084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 236, 255) }
```

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

```
.background{ background-color: rgb(158,  
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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