

# Converting Colors

XYZ(62.0001, 73.9758,  
105.6187)

Have a look what the booklet for  
XYZ(62.0001, 73.9758, 105.6187)  
contains.

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# **Color**

**XYZ(62.0564, 74.0076,  
105.6219)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FEBFF
RGB	159, 235, 255
RGB Percent	62%, 92%, 100%
CMY	0.3765, 0.0784, 0.0000
CMYK	0.38, 0.08, 0.00, 0.00
HSL	192°, 100%, 81%
HSV	192°, 38%, 100%
XYZ	62.0564, 74.0076, 105.6219
YIQ	214.5560, -51.7160, -9.8920

# Conversions

## Conversions Part 2

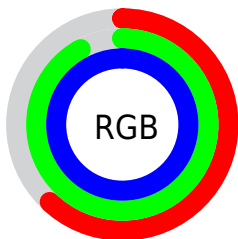
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 201, 255
Decimal	10480639
CIE <sub>Lab</sub>	88.93, -18.50, -17.08
CIE <sub>LCh</sub>	89, 25.179, 222.701
Yxy	74.0076, 0.2568, 0.3062
Android (android.graphics.Color)	4288670719 (0xFF9FEBFF)
YUV	214.5560, 19.9389, -48.7226
Hunter-Lab	86.0277, -21.7867, -12.5749

# Details

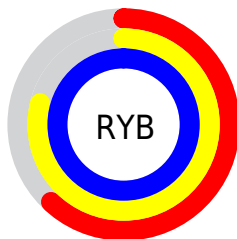
The XYZ color **62.0564, 74.0076, 105.6219** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.6185, 56.0035, 40.2595**, and the grayscale version is **64.1876, 67.5304, 73.5406**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **31.9067, 39.2010, 59.3110** is the 20% darker color. If you saturate the color by 10%, you get **56.0140, 68.6703, 104.9102**, and if you desaturate by 10%, it is **69.1913, 79.9790, 106.3985**.

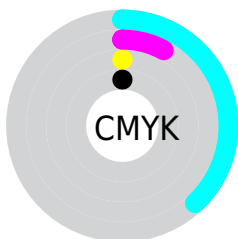
# Distribution



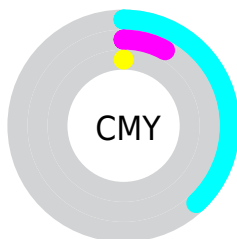
- Red (62%)
- Green (92%)
- Blue (100%)



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



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)




- Cyan (38%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.0564, 74.0076, 105.6219 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 62.0564, 74.0076, 105.6219 by changing the saturation by 10% instead.




 62.0564, 74.0076,  
105.6219


 62.0564, 74.0076,  
105.6219


421.8511,  
474.4996, 599.4705

 45.3340, 54.8003,  
80.3609


 106.8965,  
124.9066, 170.9808

 31.9230, 39.2418,  
59.4875


 135.7450,  
157.3670, 211.9157

 21.4580, 26.9479,  
42.5831


169.3662,  
195.0139, 258.9123

 13.5735, 17.5341,  
29.2291

208.1256,  
238.2317, 312.3893

 7.9044, 10.6160,  
19.0072

252.3883,  
287.4048, 372.7650

 4.0851, 5.8093,  
11.4986

302.5200,

 1.7504, 2.7295,

342.9175, 440.4581

6.2849

358.8858,  
405.1543, 515.8871

■ 0.4875, 0.9922,  
2.9475

■ 0.0000, 0.0000,  
1.0679

■ 62.0564, 74.0076,  
105.6219

■ 62.0564, 74.0076,  
105.6219

■ 56.0140, 68.6703,  
104.9102

■ 69.1913, 79.9790,  
106.3985

■ 50.9930, 63.9247,  
104.2588

■ 77.4721, 86.6073,  
107.2414

■ 46.9233, 59.7357,  
103.6648

■ 86.9558, 93.9244,  
108.1539

■ 43.7229, 56.0605,  
103.1241

95.0500, 100.0000,  
108.9000

■ 41.2952, 52.8488,  
102.6321

■ 39.5128, 50.0341,  
102.1827

■ 39.1433, 49.4065,  
102.0811

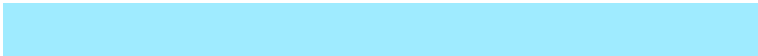
# Harmonies

## Analogous

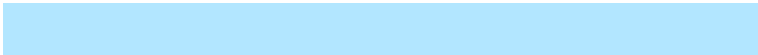
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



59.4921, 74.0076, 88.2082



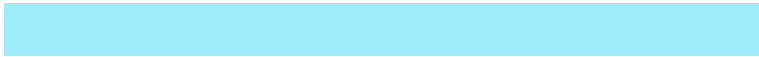
62.0564, 74.0076, 105.6219



66.9060, 74.0076, 117.1649

# Triad

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



62.0564, 74.0076, 105.6219



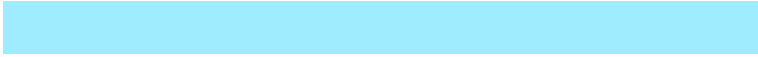
82.1660, 74.0076, 91.0066



67.7904, 74.0076, 52.0130

# Complementary

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



62.0564, 74.0076, 105.6219



63.6185, 56.0035, 40.2595

# 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.



73.8937, 74.0076, 52.5366



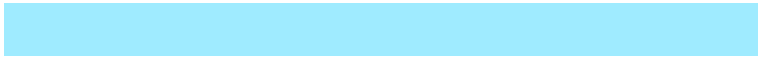
62.0564, 74.0076, 105.6219



82.4368, 74.0076, 73.4079

# Square

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



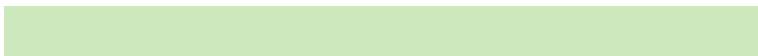
62.0564, 74.0076, 105.6219



78.6142, 74.0076, 107.9245



79.3341, 74.0076, 59.8492

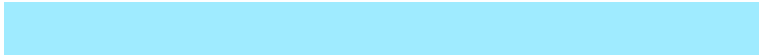


62.6715, 74.0076, 58.2975

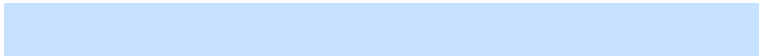


# Rectangle

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



62.0564, 74.0076, 105.6219



70.8971, 74.0076, 119.0806



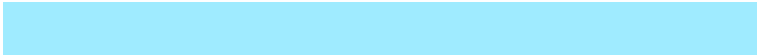
79.3341, 74.0076, 59.8492



69.7898, 74.0076, 51.4282

# Sweetspot

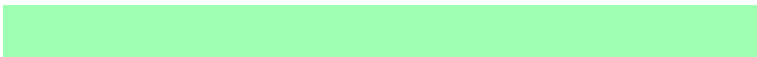
The Sweet Spot groups the original color and five complimentary colors.



62.0584, 74.0104, 105.6224



83.6371, 91.3914, 107.8399



58.1152, 82.1139, 55.0132



17.6232, 19.3472, 23.0555



0.0000, 0.0000, 0.0000

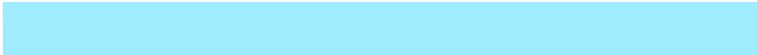


20.3446, 21.4041, 23.3091

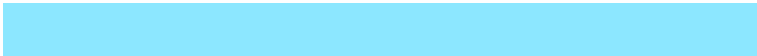


# Same Dimension

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



62.0584, 74.0104, 105.6224



57.5107, 70.0237, 105.0925



50.2900, 50.4736, 101.6996



18.2147, 19.8011, 23.1119



20.5647, 26.0389, 53.3767



2.0792, 2.6890, 5.2227



# Inverse Universe

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



68.6349, 52.0561, 85.0308



65.0923, 45.8644, 81.0956



74.7495, 78.2656, 43.9698



18.6210, 18.2317, 21.8875



27.1683, 13.3566, 30.6004

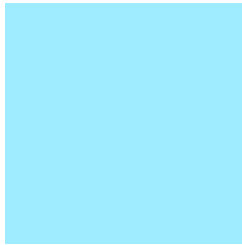


2.6841, 1.3160, 3.1837



# Previews

## White Background



This preview shows how the XYZ color 62.0564, 74.0076, 105.6219 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

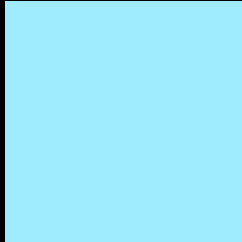
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.0564, 74.0076, 105.6219 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

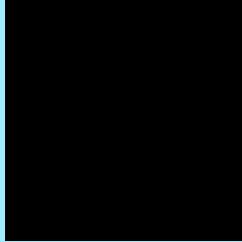
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.0564, 74.0076, 105.6219

## Background



This preview shows how black text looks on a background with the XYZ color 62.0564, 74.0076, 105.6219.



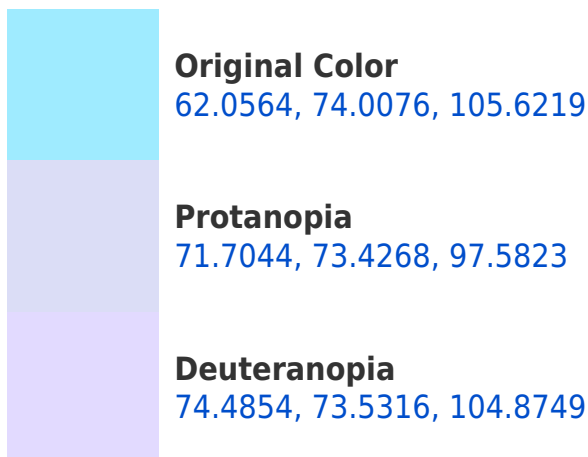
This preview shows how white text looks on a background with the XYZ color 62.0564, 74.0076,



# 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





## Tritanopia

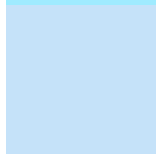
61.8958, 73.9433, 104.7762

# Trichromacy



## Original Color

62.0564, 74.0076, 105.6219



## Protanomaly

67.3212, 73.1026, 100.1845



## Deuteranomaly

69.0628, 73.0879, 105.0751



## Tritanomaly

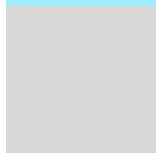
61.8958, 73.9433, 104.7762

# Monochromacy



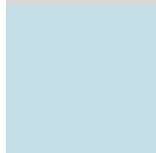
## Original Color

62.0564, 74.0076, 105.6219



## 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 62.0564, 74.0076, 105.6219 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(159, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(159, 235, 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(159, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.0564, 74.0076, 105.6219 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(159, 235, 255) }
```



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

```
.border{ border-color:rgb(159, 235, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(159, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.0564, 74.0076, 105.6219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 235, 255) }
```

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

```
.background{ background-color: rgb(159,  
235, 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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