

# Converting Colors

XYZ(62.7912, 74.2196,  
105.6241)

Have a look what the booklet for  
XYZ(62.7912, 74.2196, 105.6241)  
contains.

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# Color

**XYZ(62.8626, 74.4232,  
105.6596)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A3EBFF
RGB	163, 235, 255
RGB Percent	64%, 92%, 100%
CMY	0.3608, 0.0784, 0.0000
CMYK	0.36, 0.08, 0.00, 0.00
HSL	193°, 100%, 82%
HSV	193°, 36%, 100%
XYZ	62.8626, 74.4232, 105.6596
YIQ	215.7520, -49.3320, -9.0440

# Conversions

## Conversions Part 2

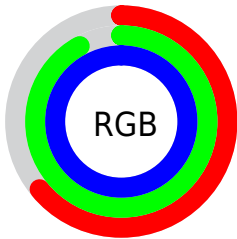
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	163, 203, 255
Decimal	10742783
CIE Lab	89.12, -17.48, -16.76
CIE LCh	89, 24.217, 223.800
Yxy	74.4232, 0.2588, 0.3063
Android (android.graphics.Color)	4288932863 (0xFFFA3EBFF)
YUV	215.7520, 19.3493, -46.2635
Hunter-Lab	86.2689, -20.9008, -12.2284

# Details

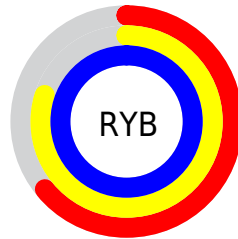
The XYZ color **62.8626, 74.4232, 105.6596** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7847, 57.7715, 42.3888**, and the grayscale version is **64.9999, 68.3850, 74.4712**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **32.3765, 39.4432, 59.3330** is the 20% darker color. If you saturate the color by 10%, you get **56.5966, 68.8755, 104.9191**, and if you desaturate by 10%, it is **70.2348, 80.6181, 106.4668**.

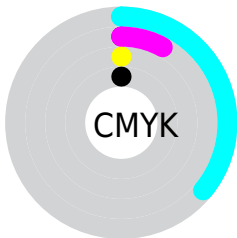
# Distribution



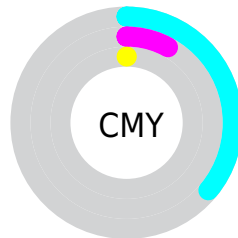
- Red (64%)
- Green (92%)
- Blue (100%)



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



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (8%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8626, 74.4232, 105.6596 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 62.8626, 74.4232, 105.6596 by changing the saturation by 10% instead.



62.8626, 74.4232,  
105.6596

62.8626, 74.4232,  
105.6596

424.7383,  
475.9327, 599.5904

45.9883, 55.1405,  
80.3923

108.0542,  
125.4955, 171.0327

32.4412, 39.5142,  
59.5132

137.1022,  
158.0540, 211.9757

21.8559, 27.1600,  
42.6036

170.9388,  
195.8064, 258.9809

13.8670, 17.6934,  
29.2452

209.9293,  
239.1372, 312.4670

8.1093, 10.7301,  
19.0192

254.4392,  
288.4309, 372.8524

4.2174, 5.8857,  
11.5072

304.8337,

1.8258, 2.7757,

344.0718, 440.5558

6.2906

361.4783,  
406.4442, 515.9956

■ 0.5332, 1.0158,  
2.9510

■ 0.0000, 0.0000,  
1.0696

■ 62.8626, 74.4232,  
105.6596

■ 62.8626, 74.4232,  
105.6596

■ 56.5966, 68.8755,  
104.9191

■ 70.2348, 80.6181,  
106.4668

■ 51.3665, 63.9328,  
104.2407

■ 78.7657, 87.4827,  
107.3422

■ 47.1035, 59.5607,  
103.6215

■ 88.5120, 95.0484,  
108.2888

■ 43.7272, 55.7172,  
103.0576

95.0500, 100.0000,  
108.9000

■ 41.1438, 52.3532,  
102.5444

■ 39.2369, 49.4078,  
102.0764

■ 38.6058, 48.3316,  
101.9019

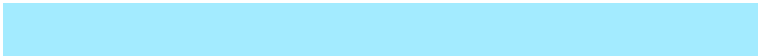
# Harmonies

## Analogous

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



60.2844, 74.4232, 89.0316



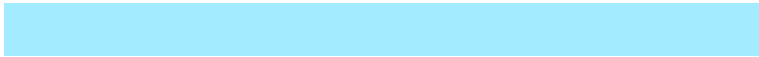
62.8626, 74.4232, 105.6596



67.6196, 74.4232, 116.4000

# Triad

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



62.8626, 74.4232, 105.6596



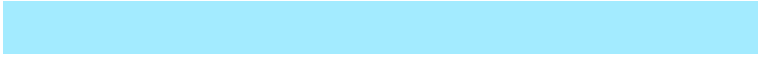
82.1970, 74.4232, 90.4387



68.0660, 74.4232, 53.4057

# Complementary

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



62.8626, 74.4232, 105.6596



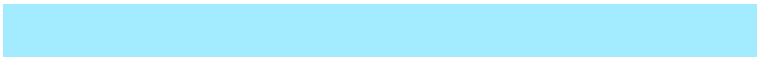
64.7847, 57.7715, 42.3888

# 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.



73.9488, 74.4232, 53.6730



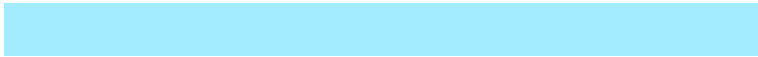
62.8626, 74.4232, 105.6596



82.3331, 74.4232, 73.5307

# Square

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



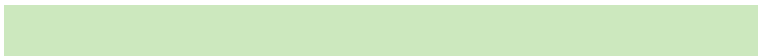
62.8626, 74.4232, 105.6596



78.8811, 74.4232, 106.8124



79.2430, 74.4232, 60.5671

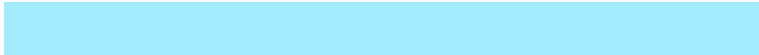


63.1737, 74.4232, 59.7780



# Rectangle

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



62.8626, 74.4232, 105.6596



71.4913, 74.4232, 117.9581



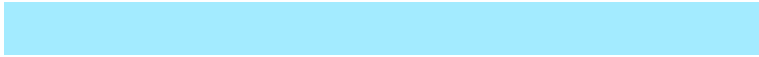
79.2430, 74.4232, 60.5671



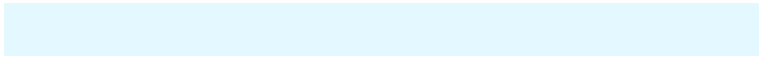
69.9881, 74.4232, 52.7525

# Sweetspot

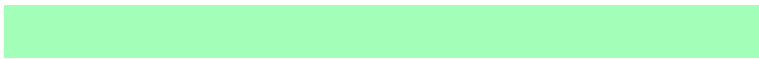
The Sweet Spot groups the original color and five complimentary colors.



62.8646, 74.4260, 105.6601



83.5585, 91.2343, 107.8137



59.4058, 82.7232, 57.6013



17.6043, 19.3096, 23.0492



0.0000, 0.0000, 0.0000

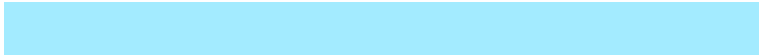


20.3446, 21.4041, 23.3091

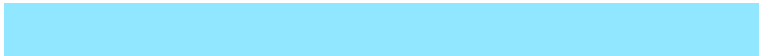


# Same Dimension

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



62.8646, 74.4260, 105.6601



58.4115, 70.5169, 105.1403



51.3677, 51.4321, 101.8278



18.2002, 19.7719, 23.1071



20.2870, 25.4835, 53.2842



2.0544, 2.6394, 5.2145



# Inverse Universe

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



69.3339, 53.4543, 85.2638



65.8664, 47.3969, 81.4020



75.8524, 79.9069, 46.0780



18.6137, 18.2288, 21.8488



27.0281, 13.3005, 29.8623

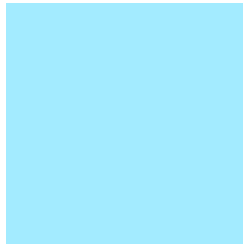


2.6716, 1.3110, 3.1178



# Previews

## White Background



This preview shows how the XYZ color 62.8626, 74.4232, 105.6596 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

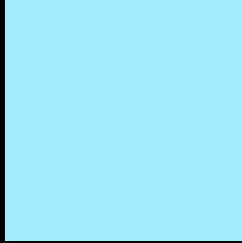
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.8626, 74.4232, 105.6596 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

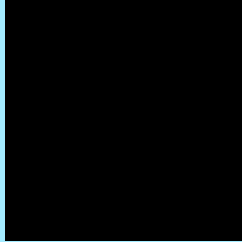
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.8626, 74.4232, 105.6596

## Background



This preview shows how black text looks on a background with the XYZ color 62.8626, 74.4232, 105.6596.



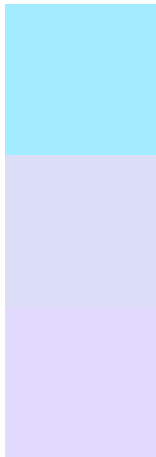
This preview shows how white text looks on a background with the XYZ color 62.8626, 74.4232,



# 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

62.8626, 74.4232, 105.6596

### Protanopia

72.0062, 73.5824, 97.5965

### Deuteranopia

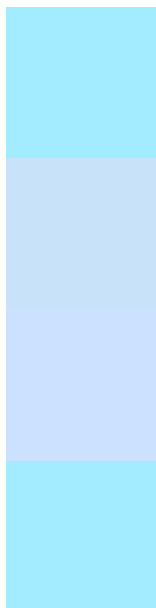
74.8000, 73.6937, 104.8897



## Tritanopia

62.7020, 74.3589, 104.8139

# Trichromacy



## Original Color

62.8626, 74.4232, 105.6596

## Protanomaly

67.8484, 73.3744, 100.2092

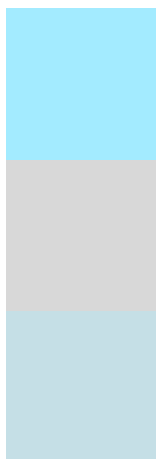
## Deuteranomaly

69.6075, 73.3687, 105.1006

## Tritanomaly

62.7020, 74.3589, 104.8139

# Monochromacy



## Original Color

62.8626, 74.4232, 105.6596

## Achromatopsia

65.2694, 68.6685, 74.7800

## Achromatomaly

63.6966, 70.3588, 85.0864

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8626, 74.4232, 105.6596 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(163, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 235, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8626, 74.4232, 105.6596 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(163, 235, 255) }
```



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

```
.border{ border-color:rgb(163, 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(163, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 235,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8626, 74.4232, 105.6596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 235, 255) }
```

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

```
.background{ background-color: rgb(163,  
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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