

# Converting Colors

XYZ(63.1563, 74.9509, 97.3635)

Have a look what the booklet for  
XYZ(63.1563, 74.9509, 97.3635)  
contains.

<b>XYZ(62.9843, 74.6672, 97.4788)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(62.9843, 74.6672,  
97.4788)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABEBF5
RGB	171, 235, 245
RGB Percent	67%, 92%, 96%
CMY	0.3294, 0.0784, 0.0392
CMYK	0.30, 0.04, 0.00, 0.04
HSL	188°, 79%, 82%
HSV	188°, 30%, 96%
XYZ	62.9843, 74.6672, 97.4788
YIQ	217.0040, -41.3540, -10.4580

# Conversions

## Conversions Part 2

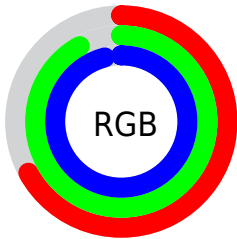
Format	Color
<b>RYB</b>	171, 205, 245
Decimal	11267061
CIELab	89.24, -17.69, -11.32
CIELCh	89, 21.002, 212.601
Yxy	74.6672, 0.2679, 0.3176
Android (android.graphics.Color)	4289457141 (0xFFABEBF5)
YUV	217.0040, 13.8020, -40.3455
Hunter-Lab	86.4102, -21.1093, -6.3976

# Details

The XYZ color **62.9843, 74.6672, 97.4788** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.5316, 55.4009, 45.9799**, and the grayscale version is **65.8866, 69.3178, 75.4871**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **32.5079, 39.6273, 54.0796** is the 20% darker color. If you saturate the color by 10%, you get **57.1960, 70.2913, 96.9405**, and if you desaturate by 10%, it is **69.7837, 79.5942, 98.0727**.

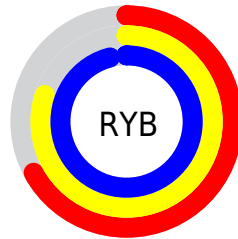
# Distribution



Red (67%)

Green (92%)

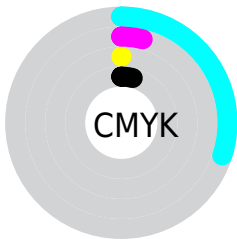
Blue (96%)



Red (67%)

Yellow (80%)

Blue (96%)

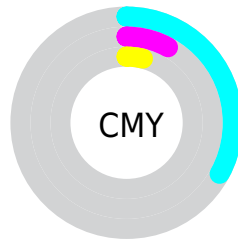


Cyan (30%)

Magenta (4%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (8%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.9843, 74.6672, 97.4788 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 62.9843, 74.6672, 97.4788 by changing the saturation by 10% instead.



62.9843, 74.6672,  
97.4788

62.9843, 74.6672,  
97.4788

425.1731,  
476.7729, 573.2563

46.0871, 55.3403,  
73.5916

108.2288,  
125.8412, 159.7097

32.5195, 39.6742,  
53.9650

137.3068,  
158.4570, 198.8904

21.9161, 27.2846,  
38.1807

171.1758,  
196.2713, 244.0060

13.9115, 17.7871,  
25.8201

210.2012,  
239.6684, 295.4750

8.1404, 10.7973,  
16.4645

254.7482,  
289.0327, 353.7160

4.2375, 5.9307,  
9.6956

305.1823,

1.8374, 2.8030,

344.7486, 419.1475

5.0946

361.8688,  
407.2006, 492.1881

■ 0.5400, 1.0298,  
2.2432

■ 0.0000, 0.0000,  
0.6991

■ 62.9843, 74.6672,  
97.4788

■ 62.9843, 74.6672,  
97.4788

■ 57.1960, 70.2913,  
96.9405

■ 69.7837, 79.5942,  
98.0727

■ 52.3574, 66.4291,  
96.4501

■ 77.6383, 85.0897,  
98.7195

■ 48.4106, 63.0526,  
96.0063

■ 86.5974, 91.1810,  
99.4230

■ 45.2884, 60.1270,  
95.6062

■ 91.3642, 95.1377,  
99.9355

■ 42.9140, 57.6124,  
95.2460

■ 92.3922, 97.1937,  
100.2782

■ 41.1958, 55.4617,  
94.9214

■ 93.4383, 99.2860,  
100.6269

■ 40.0008, 53.6309,  
94.6310

■ 93.4817, 99.3727,  
100.6413

# Harmonies

## Analogous

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



61.5701, 74.6672, 82.5879



62.9843, 74.6672, 97.4788



66.5287, 74.6672, 109.0281

# Triad

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



62.9843, 74.6672, 97.4788



80.0853, 74.6672, 94.9955



70.5225, 74.6672, 56.2332

# Complementary

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



62.9843, 74.6672, 97.4788



61.5316, 55.4009, 45.9799

# 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.



75.6025, 74.6672, 58.7231



62.9843, 74.6672, 97.4788



81.2787, 74.6672, 80.0253

# Square

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



62.9843, 74.6672, 97.4788



76.4136, 74.6672, 107.4774



79.6014, 74.6672, 67.0182



65.7892, 74.6672, 59.7606

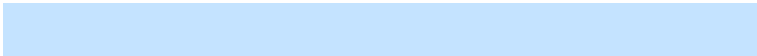


# Rectangle

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



62.9843, 74.6672, 97.4788



69.7071, 74.6672, 112.6324



79.6014, 74.6672, 67.0182



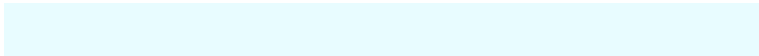
72.2459, 74.6672, 56.3945

# Sweetspot

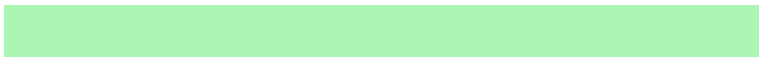
The Sweet Spot groups the original color and five complimentary colors.



62.9865, 74.6702, 97.4805



86.1238, 93.9419, 108.2011



57.7752, 77.2949, 55.5202



18.1452, 19.9086, 23.1363



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

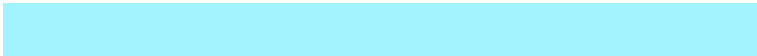


# Same Dimension

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



62.9865, 74.6702, 97.4805



65.1257, 78.8885, 106.4023



53.5020, 55.7012, 94.3190



16.7946, 18.3535, 21.2000



21.6240, 29.0418, 51.0040



1.9523, 2.6560, 4.5000



# Inverse Universe

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



67.2163, 54.5381, 85.5849



70.4897, 53.9723, 91.1786



70.0451, 72.4279, 48.8178



17.1117, 16.7275, 20.3346



26.7193, 13.0312, 34.8259

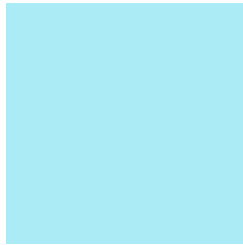


2.3745, 1.1558, 3.1984



# Previews

## White Background



This preview shows how the XYZ color 62.9843, 74.6672, 97.4788 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

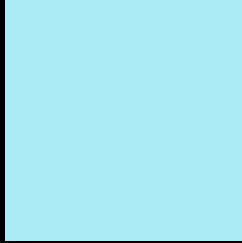
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.9843, 74.6672, 97.4788 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

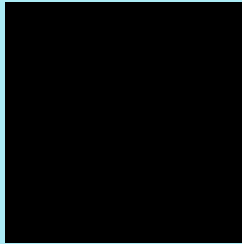
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 62.9843, 74.6672, 97.4788**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.9843, 74.6672, 97.4788.



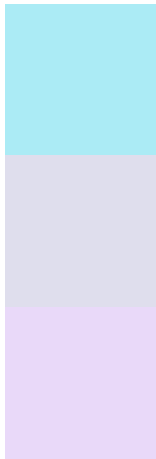
This preview shows how white text looks on a background with the XYZ color 62.9843, 74.6672,



# 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

62.9843, 74.6672, 97.4788

### Protanopia

71.8388, 74.0450, 90.6266

### Deuteranopia

75.5160, 73.7889, 99.8851



## Tritanopia

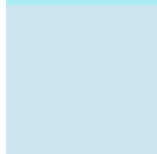
64.3860, 74.8217, 103.9770

# Trichromacy



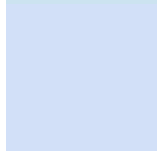
## Original Color

62.9843, 74.6672, 97.4788



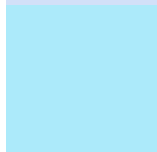
## Protanomaly

68.0991, 74.0668, 93.1452



## Deuteranomaly

70.1773, 73.7903, 99.3511



## Tritanomaly

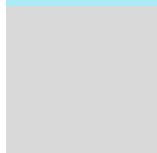
63.6914, 74.5184, 101.4691

# Monochromacy



## Original Color

62.9843, 74.6672, 97.4788



## Achromatopsia

65.9525, 69.3872, 75.5626



## Achromatomaly

64.3402, 71.1367, 83.0127

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.9843, 74.6672, 97.4788 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(171, 235, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 235, 245)  
}
```

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(171, 235, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 235, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 62.9843, 74.6672, 97.4788 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(171, 235, 245) }
```



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

```
.border{ border-color:rgb(171, 235, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 235, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 235, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 235, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 235,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.9843, 74.6672, 97.4788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 235, 245) }
```

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

```
.background{ background-color: rgb(171,  
235, 245) }
```

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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