

# Converting Colors

XYZ(59.8623, 74.7031, 64.4843)

Have a look what the booklet for  
XYZ(59.8623, 74.7031, 64.4843)  
contains.

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# Color

**XYZ(59.7686, 74.5907,  
64.6734)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6EDC6
RGB	182, 237, 198
RGB Percent	71%, 93%, 78%
CMY	0.2863, 0.0706, 0.2235
CMYK	0.23, 0.00, 0.16, 0.07
HSL	137°, 60%, 82%
HSV	137°, 23%, 93%
XYZ	59.7686, 74.5907, 64.6734
YIQ	216.1090, -20.2610, -23.7890

# Conversions

## Conversions Part 2

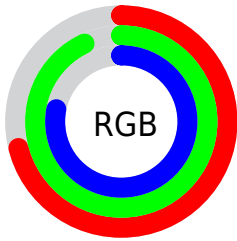
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 225, 237
Decimal	11988422
CIELab	89.20, -25.09, 13.26
CIELCh	89, 28.376, 152.138
Yxy	74.5907, 0.3003, 0.3748
Android (android.graphics.Color)	4290178502 (0xFFB6EDC6)
YUV	216.1090, -8.9277, -29.9136
Hunter-Lab	86.3659, -27.6113, 16.0580

# Details

The XYZ color **59.7686, 74.5907, 64.6734** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **64.7067, 56.6825, 75.9401**, and the grayscale version is **65.4150, 68.8216, 74.9468**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **30.4600, 39.6506, 32.4335** is the 20% darker color. If you saturate the color by 10%, you get **52.8061, 71.2152, 54.7843**, and if you desaturate by 10%, it is **67.8976, 78.5469, 75.7432**.

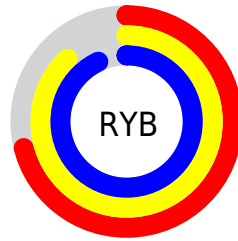
# Distribution



Red (71%)

Green (93%)

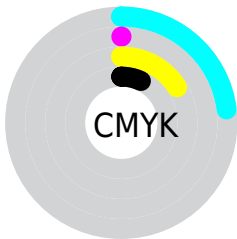
Blue (78%)



Red (71%)

Yellow (88%)

Blue (93%)

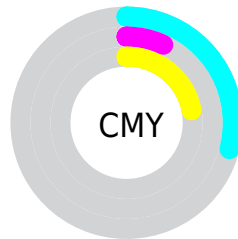


Cyan (23%)

Magenta (0%)

Yellow (16%)

Black (7%)



Cyan (29%)

Magenta (7%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7686, 74.5907, 64.6734 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 59.7686, 74.5907, 64.6734 by changing the saturation by 10% instead.





 59.7686, 74.5907,  
64.6734

 59.7686, 74.5907,  
64.6734


413.5927,  
476.5096, 459.8914

 43.4809, 55.2776,  
46.7466


 103.6022,  
125.7328, 113.1890

 30.4588, 39.6241,  
32.4825


131.8788,  
158.3307, 144.6148

 20.3369, 27.2455,  
21.4624


164.8823,  
196.1255, 181.3775

 12.7498, 17.7577,  
13.2679

202.9783,  
239.5019, 223.8955

 7.3323, 10.7762,  
7.4804

246.5319,  
288.8441, 272.5873

 3.7190, 5.9165,  
3.6813


295.9087,


 1.5444, 2.7944,


344.5365, 327.8716


1.4522


351.4738,  
406.9635, 390.1667


 0.3557, 1.0254,  
0.1819


 0.0000, 0.0000,  
0.0000


 59.7686, 74.5907,  
64.6734


 59.7686, 74.5907,  
64.6734


 52.8061, 71.2152,  
54.7843


 67.8976, 78.5469,  
75.7432

 46.9492, 68.3835,  
46.0317

 77.2380, 83.0998,  
88.0257

 42.1410, 66.0693,  
38.3762

 87.8396, 88.2766,  
101.5584

 38.3164, 64.2398,  
31.7739

 89.5756, 89.0513,  
107.0752

■ 35.4032, 62.8588,  
26.1782

■ 33.3183, 61.8845,  
21.5387

■ 31.9623, 61.2668,  
17.8004

■ 31.3581, 61.0003,  
15.7428

# Harmonies

## Analogous

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



64.0492, 74.5907, 53.0269



59.7686, 74.5907, 64.6734



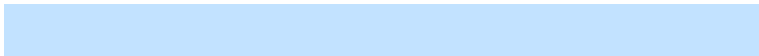
58.4104, 74.5907, 82.6469

# Triad

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



59.7686, 74.5907, 64.6734



71.3939, 74.5907, 125.5726



82.7740, 74.5907, 62.5803

# Complementary

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



59.7686, 74.5907, 64.6734



64.7067, 56.6825, 75.9401

# 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.



85.0455, 74.5907, 79.8028



59.7686, 74.5907, 64.6734



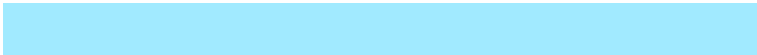
78.2146, 74.5907, 117.9577

# Square

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



59.7686, 74.5907, 64.6734



64.8563, 74.5907, 119.7908



83.3258, 74.5907, 100.3646

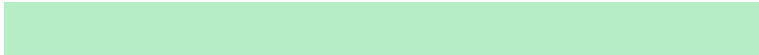


77.3000, 74.5907, 51.9639



# Rectangle

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



59.7686, 74.5907, 64.6734



59.2687, 74.5907, 96.4441



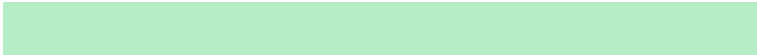
83.3258, 74.5907, 100.3646



83.9529, 74.5907, 67.6827

# Sweetspot

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



59.7706, 74.5938, 64.6751



86.8137, 95.9818, 98.2252



68.6763, 79.3870, 55.9603



18.4370, 20.4735, 20.8345



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

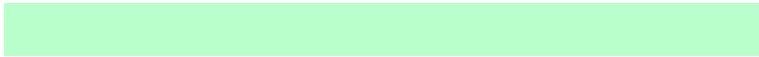


# Same Dimension

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



59.7706, 74.5938, 64.6751



66.3750, 86.0384, 70.4686



63.1799, 75.9575, 82.6281



15.0485, 16.9342, 16.9385



17.1690, 33.3221, 8.8551



1.3887, 2.6328, 0.9088



# Inverse Universe

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



64.7067, 56.6825, 75.9401



73.1818, 61.3287, 85.9956



61.3834, 55.3532, 58.4401



15.5172, 15.2347, 18.0089



22.9893, 11.3984, 21.5427

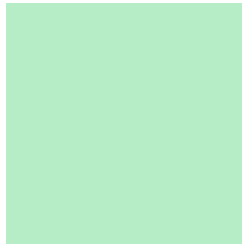


1.8467, 0.9116, 1.9100



# Previews

## White Background



This preview shows how the XYZ color 59.7686, 74.5907, 64.6734 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

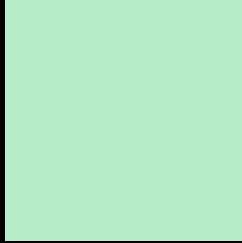
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7686, 74.5907, 64.6734 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

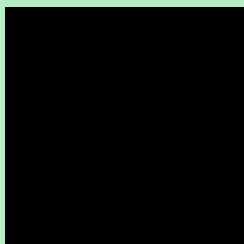
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

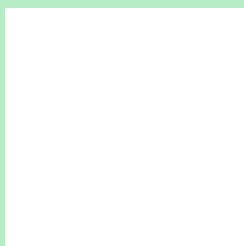
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 59.7686, 74.5907, 64.6734**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.7686, 74.5907, 64.6734.



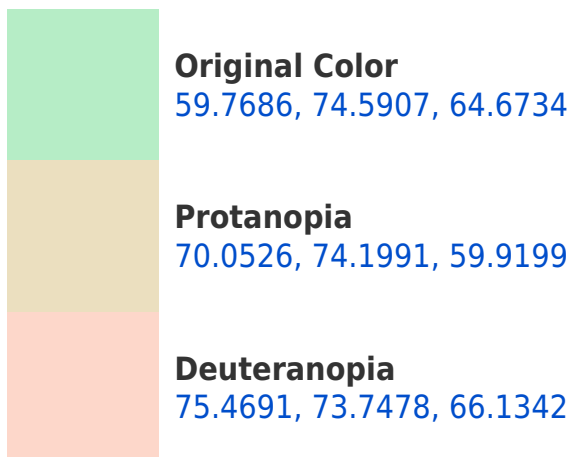
This preview shows how white text looks on a background with the XYZ color 59.7686, 74.5907,

64.6734.

# 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

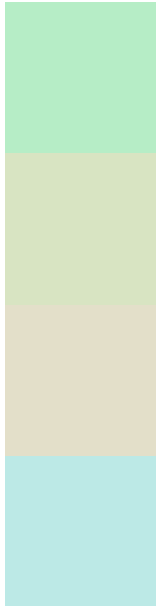




## Tritanopia

66.7259, 74.4473, 99.6599

# Trichromacy



**Original Color**

59.7686, 74.5907, 64.6734

**Protanomaly**

65.7999, 73.9808, 61.8506

**Deuteranomaly**

68.6088, 73.3233, 65.7951

**Tritanomaly**

64.1609, 74.6824, 85.8964

# Monochromacy



**Original Color**

59.7686, 74.5907, 64.6734

**Achromatopsia**

65.2694, 68.6685, 74.7800

**Achromatomaly**

63.0661, 70.7521, 70.6542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7686, 74.5907, 64.6734 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(182, 237, 198)` looks like.

```
.text, #text, p{  
    color:rgb(182, 237, 198)  
}
```

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(182, 237, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 237, 198) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7686, 74.5907, 64.6734 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(182, 237, 198) }
```



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

```
.border{ border-color:rgb(182, 237, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 237, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 237, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 237, 198);  
box-shadow:4px 4px 4px 4px rgb(182, 237,  
198) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7686, 74.5907, 64.6734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 237, 198) }
```

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

```
.background{ background-color: rgb(182,  
237, 198) }
```

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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