

# Converting Colors

XYZ(64.5988, 77.4755, 86.8839)

Have a look what the booklet for  
XYZ(64.5988, 77.4755, 86.8839)  
contains.

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# Color

**XYZ(64.5817, 77.4476,  
87.1464)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6EFE7
RGB	182, 239, 231
RGB Percent	71%, 94%, 91%
CMY	0.2863, 0.0627, 0.0941
CMYK	0.24, 0.00, 0.03, 0.06
HSL	172°, 64%, 83%
HSV	172°, 24%, 94%
XYZ	64.5817, 77.4476, 87.1464
YIQ	221.0450, -31.4040, -14.5720

# Conversions

## Conversions Part 2

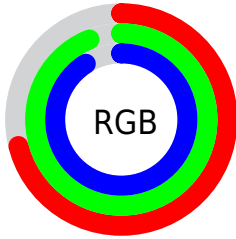
<b>Format</b>	<b>Color</b>
<b>RYB</b>	182, 213, 239
Decimal	11988967
CIELab	90.53, -19.60, -2.02
CIELCh	91, 19.704, 185.897
Yxy	77.4476, 0.2818, 0.3379
Android (android.graphics.Color)	4290179047 (0xFFB6EFE7)
YUV	221.0450, 4.9078, -34.2425
Hunter-Lab	88.0043, -23.0159, 2.8910

# Details

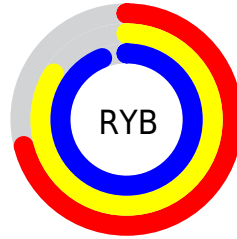
The XYZ color **64.5817, 77.4476, 87.1464** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **61.6215, 55.5264, 56.1882**, and the grayscale version is **68.7430, 72.3230, 78.7598**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **33.5734, 41.5513, 46.8081** is the 20% darker color. If you saturate the color by 10%, you get **58.9430, 74.5970, 84.4336**, and if you desaturate by 10%, it is **71.1972, 80.8048, 89.9557**.

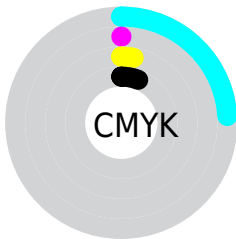
# Distribution



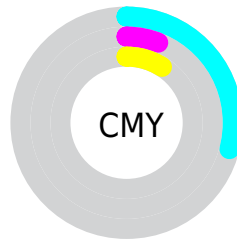
- Red (71%)
- Green (94%)
- Blue (91%)



- Red (71%)
- Yellow (84%)
- Blue (94%)



- Cyan (24%)
- Magenta (0%)
- Yellow (3%)
- Black (6%)




- Cyan (29%)
- Magenta (6%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5817, 77.4476, 87.1464 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 64.5817, 77.4476, 87.1464 by changing the saturation by 10% instead.




 64.5817, 77.4476,  
87.1464

 64.5817, 77.4476,  
87.1464


430.8563,  
486.2888, 539.0325

 47.3854, 57.6203,  
65.0561


 110.5173,  
129.7711, 145.2688

 33.5497, 41.5035,  
47.0549


139.9874,  
163.0361, 182.1380

 22.7091, 28.7127,  
32.7244


174.2794,  
201.5492, 224.7706

 14.4984, 18.8636,  
21.6460

213.7587,  
245.6947, 273.5850

 8.5521, 11.5718,  
13.4012

258.7907,  
295.8570, 328.9999

 4.5050, 6.4528,  
7.5714

309.7407,

 1.9916, 3.1223,

352.4205, 391.4337

3.7381

366.9741,  
415.7696, 461.3051

0.6292, 1.1959,  
1.4828

0.0000, 0.0584,  
0.2051

64.5817, 77.4476,  
87.1464

64.5817, 77.4476,  
87.1464

58.9430, 74.5970,  
84.4336

71.1972, 80.8048,  
89.9557

54.2256, 72.2183,  
81.8094


78.8284, 84.6824,  
92.8586


50.3783, 70.2871,  
79.2728


87.5201, 89.1057,  
95.8590


47.3425, 68.7732,  
76.8209


88.5015, 89.5532,  
98.5469


 45.0522, 67.6426,  
74.4502

 89.0170, 89.7594,  
101.2613


 43.4309, 66.8559,  
72.1569

 89.5418, 89.9693,  
104.0250

 42.3853, 66.3649,  
69.9365

 90.0760, 90.1830,  
106.8380

 41.9416, 66.1653,  
68.6028

 90.1579, 90.2158,  
107.2693

# Harmonies

## Analogous

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



65.2956, 77.4476, 73.7220



64.5817, 77.4476, 87.1464



66.1985, 77.4476, 101.2625

# Triad

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



64.5817, 77.4476, 87.1464



79.3090, 77.4476, 108.2793



77.5500, 77.4476, 61.8999

# Complementary

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



64.5817, 77.4476, 87.1464



61.6215, 55.5264, 56.1882

# 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.



81.5584, 77.4476, 69.3940



64.5817, 77.4476, 87.1464



82.6053, 77.4476, 95.9038

# Square

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



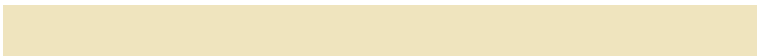
64.5817, 77.4476, 87.1464



74.5895, 77.4476, 114.3078



83.4463, 77.4476, 81.5696



72.6423, 77.4476, 60.1088

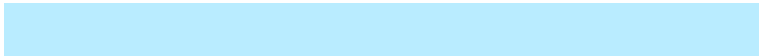


# Rectangle

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



64.5817, 77.4476, 87.1464



68.4250, 77.4476, 108.8559



83.4463, 77.4476, 81.5696



79.0540, 77.4476, 63.7913

# Sweetspot

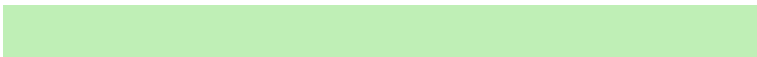
The Sweet Spot groups the original color and five complimentary colors.



64.5839, 77.4508, 87.1482



88.3842, 96.6100, 106.4956



60.6852, 76.1317, 55.7538



18.8009, 20.6191, 22.7506



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

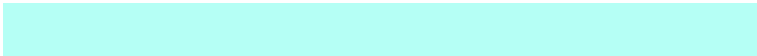


# Same Dimension

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



64.5839, 77.4508, 87.1482



71.2509, 87.9190, 99.2952



60.2183, 66.8688, 91.3981



16.1463, 17.8886, 19.7936



23.2138, 36.5776, 38.1046



1.9572, 3.0533, 3.3068



# Inverse Universe

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



61.6215, 55.5264, 56.1882



67.2257, 58.1087, 57.2130



65.1515, 63.9482, 53.1667



15.8632, 15.7950, 16.8357



19.8554, 10.2146, 1.8894

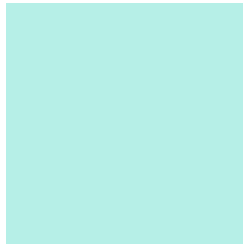


1.6796, 0.8609, 0.3038



# Previews

## White Background



This preview shows how the XYZ color 64.5817, 77.4476, 87.1464 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

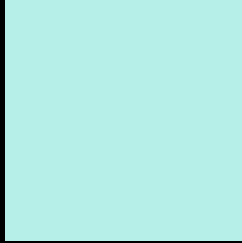
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5817, 77.4476, 87.1464 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

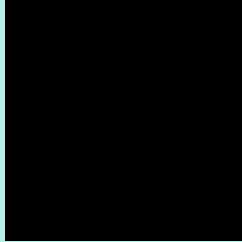
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

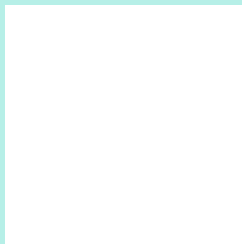
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.5817, 77.4476, 87.1464

## Background



This preview shows how black text looks on a background with the XYZ color 64.5817, 77.4476, 87.1464.



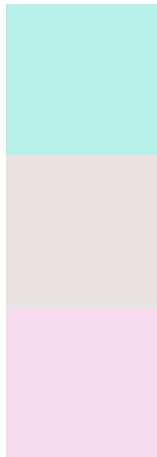
This preview shows how white text looks on a background with the XYZ color 64.5817, 77.4476,



# 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

64.5817, 77.4476, 87.1464

### Protanopia

73.9296, 76.9303, 81.4735

### Deuteranopia

78.5946, 76.7774, 89.2744



## **Tritanopia**

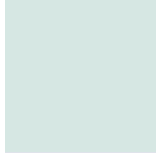
68.0912, 77.1372, 105.0661

# Trichromacy



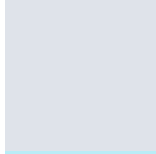
## Original Color

64.5817, 77.4476, 87.1464



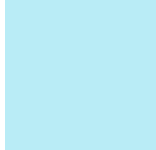
## Protanomaly

70.1726, 76.9940, 83.8359



## Deuteranomaly

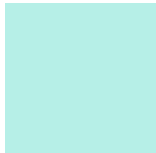
72.7518, 76.5667, 88.7863



## Tritanomaly

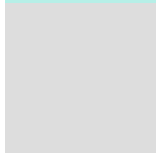
66.6376, 76.9590, 98.5312

# Monochromacy



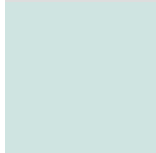
## Original Color

64.5817, 77.4476, 87.1464



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

67.0661, 74.1884, 82.0192

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5817, 77.4476, 87.1464 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, 239, 231)` looks like.

```
.text, #text, p{  
    color:rgb(182, 239, 231)  
}
```

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, 239, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 239, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5817, 77.4476, 87.1464 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, 239, 231) }
```



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

```
.border{ border-color:rgb(182, 239, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 239, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 239, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 239, 231);  
box-shadow:4px 4px 4px 4px rgb(182, 239,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5817, 77.4476, 87.1464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 239, 231) }
```

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

```
.background{ background-color: rgb(182,  
239, 231) }
```

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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