

# Converting Colors

XYZ(66.8958, 78.9257, 94.1465)

Have a look what the booklet for  
XYZ(66.8958, 78.9257, 94.1465)  
contains.

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# Color

**XYZ(66.8958, 78.9257,  
94.1465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B9F0F0
RGB	185, 240, 240
RGB Percent	73%, 94%, 94%
CMY	0.2745, 0.0588, 0.0588
CMYK	0.23, 0.00, 0.00, 0.06
HSL	180°, 65%, 83%
HSV	180°, 23%, 94%
XYZ	66.8958, 78.9257, 94.1465
YIQ	223.5550, -32.7800, -11.6600

# Conversions

## Conversions Part 2

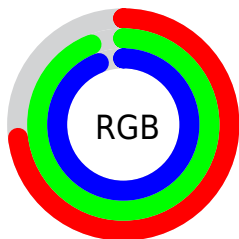
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 213, 240
Decimal	12185840
CIELab	91.20, -17.31, -5.71
CIELCh	91, 18.231, 198.245
Yxy	78.9257, 0.2788, 0.3289
Android (android.graphics.Color)	4290375920 (0xFFB9F0F0)
YUV	223.5550, 8.1074, -33.8127
Hunter-Lab	88.8401, -21.0614, -0.6433

# Details

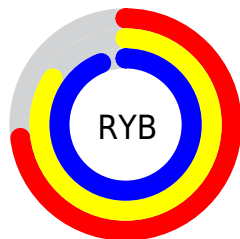
The XYZ color **66.8958, 78.9257, 94.1465** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.0438, 56.7281, 53.5816**, and the grayscale version is **70.4967, 74.1680, 80.7689**.

A 20% lighter version of the original color is **90.4279, 97.6172, 108.6837**, and **34.9981, 42.4875, 51.7037** is the 20% darker color. If you saturate the color by 10%, you get **61.5881, 76.1915, 93.8988**, and if you desaturate by 10%, it is **73.1854, 82.1701, 94.4435**.

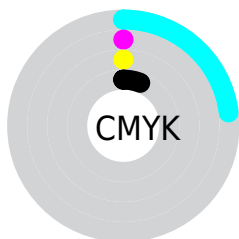
# Distribution



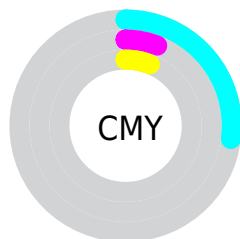
- Red (73%)
- Green (94%)
- Blue (94%)



- Red (73%)
- Yellow (84%)
- Blue (94%)



- Cyan (23%)
- Magenta (0%)
- Yellow (0%)
- Black (6%)



- Cyan (27%)
- Magenta (6%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.8958, 78.9257, 94.1465 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 66.8958, 78.9257, 94.1465 by changing the saturation by 10% instead.



66.8958, 78.9257,  
94.1465

66.8958, 78.9257,  
94.1465

439.0121,  
491.3050, 562.3434

49.2703, 58.8347,  
70.8319

113.8217,  
131.8543, 155.0704

35.0494, 42.4801,  
51.7240

143.8529,  
165.4606, 193.5166

23.8676, 29.4774,  
36.4044

178.7500,  
204.3409, 237.8439

15.3597, 19.4423,  
24.4545

218.8784,  
248.8795, 288.4706

9.1601, 11.9903,  
15.4558

264.6034,  
299.4608, 345.8154

4.9037, 6.7371,  
8.9897

316.2905,

2.2251, 3.2982,

356.4692, 410.2967

4.6378

374.3049,  
420.2891, 482.3332

■ 0.7559, 1.2893,  
1.9813

■ 0.0000, 0.1329,  
0.5438

■ 66.8958, 78.9257,  
94.1465

■ 66.8958, 78.9257,  
94.1465

■ 61.5881, 76.1915,  
93.8988

■ 73.1854, 82.1701,  
94.4435

■ 57.2063, 73.9327,  
93.6927


■ 80.4957, 85.9387,  
94.7867


■ 53.6995, 72.1249,  
93.5276


■ 88.1305, 89.8745,  
95.1450


■ 51.0090, 70.7379,  
93.4006


■ 88.1307, 89.8746,  
95.1460


 49.0689, 69.7377,  
93.3088


 88.1309, 89.8747,  
95.1470


 47.8032, 69.0853,  
93.2486


 88.1311, 89.8748,  
95.1481

 47.1197, 68.7329,  
93.2156

 88.1313, 89.8748,  
95.1491

 46.8884, 68.6137,  
93.2040

 88.1314, 89.8749,  
95.1501

 88.1316, 89.8750,  
95.1511

# Harmonies

## Analogous

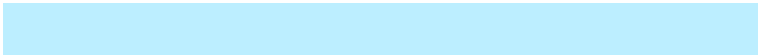
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.6550, 78.9257, 80.8595



66.8958, 78.9257, 94.1465



69.2575, 78.9257, 106.3370

# Triad

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



66.8958, 78.9257, 94.1465



81.8372, 78.9257, 104.0078



76.8400, 78.9257, 63.3675

# Complementary

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



66.8958, 78.9257, 94.1465



62.0438, 56.7281, 53.5816

# 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.



81.0862, 78.9257, 68.3281



66.8958, 78.9257, 94.1465



84.0495, 78.9257, 91.2220

# Square

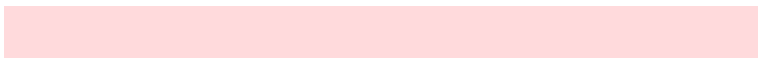
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.8958, 78.9257, 94.1465



77.8309, 78.9257, 112.4204



83.7692, 78.9257, 78.2186



72.2708, 78.9257, 63.9776

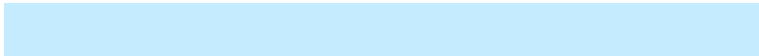


# Rectangle

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



66.8958, 78.9257, 94.1465



71.7735, 78.9257, 111.7845



83.7692, 78.9257, 78.2186



78.3558, 78.9257, 64.4162

# Sweetspot

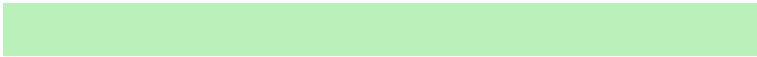
The Sweet Spot groups the original color and five complimentary colors.



66.8981, 78.9289, 94.1483



88.7850, 96.7703, 108.6060



60.1488, 76.2548, 57.4488



18.8940, 20.6563, 23.2410



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.



66.8981, 78.9289, 94.1483



73.4808, 88.8808, 107.8873



59.6372, 64.4064, 91.7302



16.2474, 17.9290, 20.3257



25.6663, 37.5585, 51.0192



2.1352, 3.1245, 4.2444



# Inverse Universe

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



62.0438, 56.7281, 53.5816



66.9078, 58.8191, 52.9568



68.1343, 68.9097, 55.6102



15.7729, 15.7589, 16.3603



19.6715, 10.1410, 0.9209

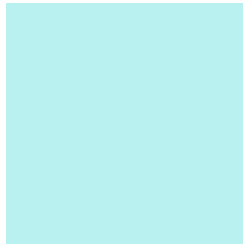


1.6365, 0.8436, 0.0767



# Previews

## White Background



This preview shows how the XYZ color 66.8958, 78.9257, 94.1465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

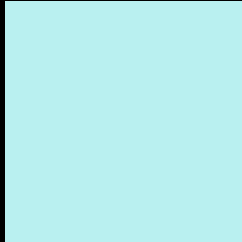
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.8958, 78.9257, 94.1465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

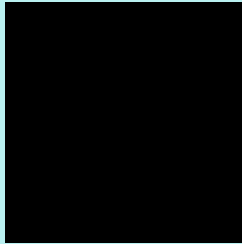
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

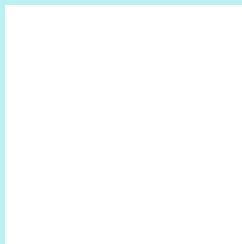
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 66.8958, 78.9257, 94.1465**

## **Background**



This preview shows how black text looks on a background with the XYZ color 66.8958, 78.9257, 94.1465.



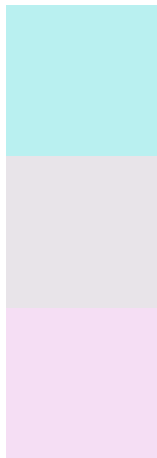
This preview shows how white text looks on a background with the XYZ color 66.8958, 78.9257,



# 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

66.8958, 78.9257, 94.1465

### Protanopia

75.7301, 78.5258, 88.2564

### Deuteranopia

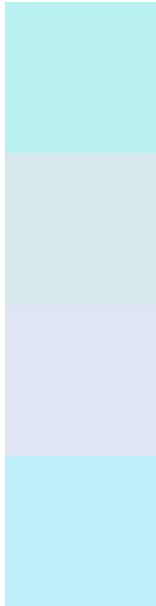
80.1066, 78.1867, 96.4574



## Tritanopia

69.8200, 78.8647, 106.1503

# Trichromacy



## Original Color

66.8958, 78.9257, 94.1465

## Protanomaly

72.0213, 78.2164, 90.6582

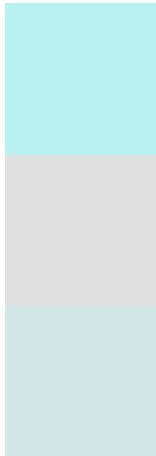
## Deuteranomaly

74.6284, 78.1977, 95.9543

## Tritanomaly

68.8161, 78.8700, 102.0389

# Monochromacy



## Original Color

66.8958, 78.9257, 94.1465

## Achromatopsia

70.8507, 74.5404, 81.1745

## Achromatomaly

69.1581, 76.0084, 85.8890

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.8958, 78.9257, 94.1465 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(185, 240, 240)` looks like.

```
.text, #text, p{  
    color:rgb(185, 240, 240)  
}
```

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(185, 240, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 240, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 66.8958, 78.9257, 94.1465 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(185, 240, 240) }
```



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

```
.border{ border-color:rgb(185, 240, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 240, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 240, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 240, 240);  
box-shadow:4px 4px 4px 4px rgb(185, 240,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.8958, 78.9257, 94.1465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 240, 240) }
```

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

```
.background{ background-color: rgb(185,  
240, 240) }
```

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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