

# Converting Colors

XYZ(62.7391, 81.8088, 86.0605)

Have a look what the booklet for  
XYZ(62.7391, 81.8088, 86.0605)  
contains.

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# Color

**XYZ(62.7988, 81.9667,  
85.9101)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9FFBE4
RGB	159, 251, 228
RGB Percent	62%, 98%, 89%
CMY	0.3765, 0.0157, 0.1059
CMYK	0.37, 0.00, 0.09, 0.02
HSL	165°, 92%, 80%
HSV	165°, 37%, 98%
XYZ	62.7988, 81.9667, 85.9101
YIQ	220.8700, -47.4490, -26.6570

# Conversions

## Conversions Part 2

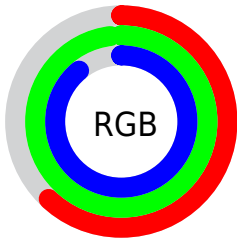
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 212, 251
Decimal	10484708
CIELab	92.56, -32.45, 2.36
CIELCh	93, 32.532, 175.835
Yxy	81.9667, 0.2722, 0.3553
Android (android.graphics.Color)	4288674788 (0xFF9FFBE4)
YUV	220.8700, 3.5151, -54.2600
Hunter-Lab	90.5355, -34.6228, 7.1139

# Details

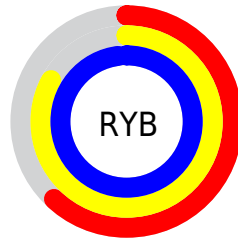
The XYZ color **62.7988, 81.9667, 85.9101** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **60.6280, 48.6850, 50.4607**, and the grayscale version is **68.6379, 72.2124, 78.6393**.

A 20% lighter version of the original color is **82.4253, 93.4917, 108.3092**, and **32.4281, 44.4843, 46.4123** is the 20% darker color. If you saturate the color by 10%, you get **57.4627, 79.3168, 81.1960**, and if you desaturate by 10%, it is **69.1818, 85.1568, 90.8418**.

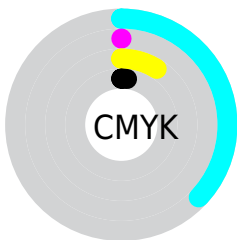
# Distribution



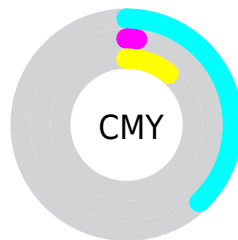
- Red (62%)
- Green (98%)
- Blue (89%)



- Red (62%)
- Yellow (83%)
- Blue (98%)



- Cyan (37%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)



- Cyan (38%)
- Magenta (2%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.7988, 81.9667, 85.9101 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 62.7988, 81.9667, 85.9101 by changing the saturation by 10% instead.



62.7988, 81.9667,  
85.9101

62.7988, 81.9667,  
85.9101

424.5102,  
501.5363, 534.8577

45.9365, 61.3381,  
64.0392

107.9626,  
136.1273, 143.5295

32.4001, 44.4981,  
46.2360

136.9949,  
170.4281, 180.1150

21.8243, 31.0623,  
32.0821

170.8145,  
210.0550, 222.4424

13.8438, 20.6463,  
21.1589

209.7868,  
255.3926, 270.9303

8.0930, 12.8657,  
13.0478

254.2771,  
306.8251, 325.9973

4.2069, 7.3361,  
7.3304

304.6509,

1.8198, 3.6732,

364.7369, 388.0618

3.5880

361.2735,  
429.5125, 457.5424

■ 0.5296, 1.4925,  
1.4022

■ 0.0000, 0.2834,  
0.1434

■ 62.7988, 81.9667,  
85.9101

■ 62.7988, 81.9667,  
85.9101

■ 57.4627, 79.3168,  
81.1960

■ 69.1818, 85.1568,  
90.8418

■ 53.1047, 77.1654,  
76.6893

■ 76.6614, 88.9065,  
95.9899

■ 49.6584, 75.4804,  
72.3869

■ 85.2924, 93.2461,  
101.3604

■ 47.0461, 74.2219,  
68.2834

■ 93.4850, 97.3558,  
106.8805

■ 45.1769, 73.3429,  
64.3727

■ 93.7886, 97.4772,  
108.4795

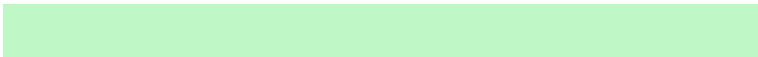
■ 43.9361, 72.7844,  
60.6476

■ 43.6024, 72.6387,  
59.4394

# Harmonies

## Analogous

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



65.2209, 81.9667, 65.5822



62.7988, 81.9667, 85.9101



64.1782, 81.9667, 111.1012

# Triad

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



62.7988, 81.9667, 85.9101



85.2043, 81.9667, 138.0258



87.3928, 81.9667, 56.0156

# Complementary

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



62.7988, 81.9667, 85.9101



60.6280, 48.6850, 50.4607

# 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.



93.4659, 81.9667, 70.4662



62.7988, 81.9667, 85.9101



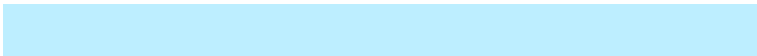
92.1396, 81.9667, 118.0150

# Square

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



62.7988, 81.9667, 85.9101



76.7326, 81.9667, 144.1702



95.2623, 81.9667, 92.6709

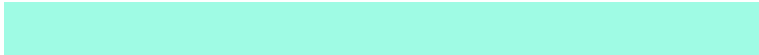


79.0931, 81.9667, 50.4161



# Rectangle

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



62.7988, 81.9667, 85.9101



67.1254, 81.9667, 126.9636



95.2623, 81.9667, 92.6709



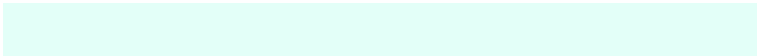
89.7851, 81.9667, 59.8556

# Sweetspot

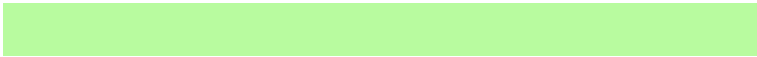
The Sweet Spot groups the original color and five complimentary colors.



62.8011, 81.9700, 85.9120



84.3640, 94.6193, 102.6131



60.4132, 81.6338, 45.3750



17.7977, 20.1219, 21.8018



0.0000, 0.0000, 0.0000

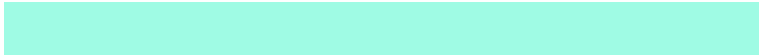


20.3446, 21.4041, 23.3091

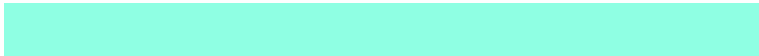


# Same Dimension

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



62.8011, 81.9700, 85.9120



60.9109, 82.8849, 85.4229



59.8802, 70.6731, 101.7558



17.5695, 19.5301, 21.1995



22.9797, 38.2049, 31.5659



2.1706, 3.5553, 3.1461



# Inverse Universe

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



60.6280, 48.6850, 50.4607



58.3691, 43.7796, 43.8285



62.4599, 55.8460, 40.2896



17.4226, 17.2964, 18.8152



21.4286, 10.9872, 3.6997

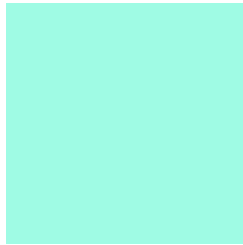


2.0252, 1.0338, 0.5561



# Previews

## White Background



This preview shows how the XYZ color 62.7988, 81.9667, 85.9101 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

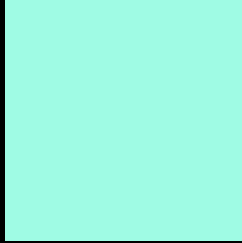
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 62.7988, 81.9667, 85.9101 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

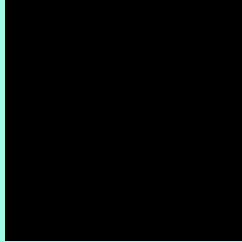
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 62.7988, 81.9667, 85.9101

## Background



This preview shows how black text looks on a background with the XYZ color 62.7988, 81.9667, 85.9101.



This preview shows how white text looks on a background with the XYZ color 62.7988, 81.9667,

85.9101.

# 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

62.7988, 81.9667, 85.9101

### Protanopia

77.3162, 81.2482, 77.2531

### Deuteranopia

82.5062, 80.8045, 88.3391



## **Tritanopia**

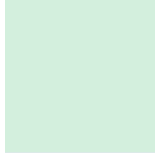
71.2435, 81.3371, 106.5524

# Trichromacy



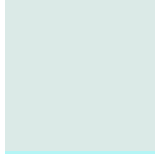
## Original Color

62.7988, 81.9667, 85.9101



## Protanomaly

70.7816, 80.8023, 80.2724



## Deuteranomaly

73.0600, 79.6752, 87.1295



## Tritanomaly

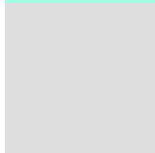
67.9562, 81.6007, 98.5550

# Monochromacy



## Original Color

62.7988, 81.9667, 85.9101



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

65.5999, 75.1008, 81.5594

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.7988, 81.9667, 85.9101 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(159, 251, 228)` looks like.

```
.text, #text, p{  
    color:rgb(159, 251, 228)  
}
```

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(159, 251, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 251, 228) }
```

## Border

The CSS property to change the border of an element to XYZ 62.7988, 81.9667, 85.9101 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(159, 251, 228) }
```



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

```
.border{ border-color:rgb(159, 251, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 251, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 251, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 251, 228);  
box-shadow:4px 4px 4px 4px rgb(159, 251,  
228) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.7988, 81.9667, 85.9101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 251, 228) }
```

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

```
.background{ background-color: rgb(159,  
251, 228) }
```

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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