

# Converting Colors

XYZ(68.7972, 81.8978,  
100.7567)

Have a look what the booklet for  
XYZ(68.7972, 81.8978, 100.7567)  
contains.

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# **Color**

**XYZ(68.8871, 82.0272,  
101.0090)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6F5F8
RGB	182, 245, 248
RGB Percent	71%, 96%, 97%
CMY	0.2863, 0.0392, 0.0274
CMYK	0.27, 0.01, 0.00, 0.03
HSL	183°, 83%, 84%
HSV	183°, 27%, 97%
XYZ	68.8871, 82.0272, 101.0090
YIQ	226.5050, -38.5110, -12.4230

# Conversions

## Conversions Part 2

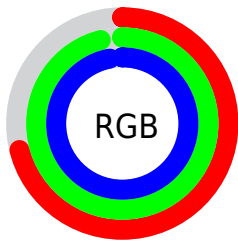
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	182, 214, 248
Decimal	11990520
CIE Lab	92.59, -18.92, -7.84
CIE LCh	93, 20.479, 202.506
Yxy	82.0272, 0.2734, 0.3256
Android (android.graphics.Color)	4290180600 (0xFFB6F5F8)
YUV	226.5050, 10.5970, -39.0309
Hunter-Lab	90.5689, -22.7276, -2.7263

# Details

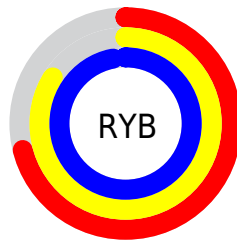
The XYZ color **68.8871, 82.0272, 101.0090** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.5048, 58.0323, 52.0593**, and the grayscale version is **72.6019, 76.3828, 83.1809**.

A 20% lighter version of the original color is **89.4066, 97.0907, 108.6359**, and **36.4644, 44.7130, 56.5778** is the 20% darker color. If you saturate the color by 10%, you get **63.2019, 78.5942, 100.6474**, and if you desaturate by 10%, it is **75.6163, 86.0057, 101.4236**.

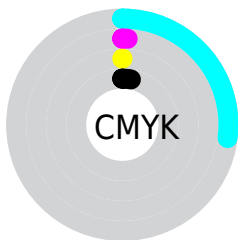
# Distribution



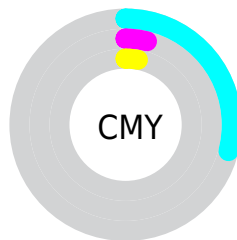
- Red (71%)
- Green (96%)
- Blue (97%)



- Red (71%)
- Yellow (84%)
- Blue (97%)



- Cyan (27%)
- Magenta (1%)
- Yellow (0%)
- Black (3%)



- Cyan (29%)
- Magenta (4%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 68.8871, 82.0272, 101.0090 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 68.8871, 82.0272, 101.0090 by changing the saturation by 10% instead.



68.8871, 82.0272,  
101.0090

68.8871, 82.0272,  
101.0090

445.9603,  
501.7387, 584.6971

50.8961, 61.3880,  
76.5219

116.6553,  
136.2121, 164.6070

36.3466, 44.5383,  
56.3513

147.1631,  
170.5266, 204.5551

24.8734, 31.0939,  
40.0788

182.5739,  
210.1683, 250.4938

16.1110, 20.6704,  
27.2857

223.2531,  
255.5216, 302.8418

9.6940, 12.8833,  
17.5536

269.5660,  
306.9709, 362.0176

5.2573, 7.3482,  
10.4639

321.8779,

2.4353, 3.6808,

364.9006, 428.4397

5.5980

380.5542,  
429.6950, 502.5267

■ 0.8627, 1.4967,  
2.5374

■ 0.0000, 0.2864,  
0.8599

■ 68.8871, 82.0272,  
101.0090

■ 68.8871, 82.0272,  
101.0090

■ 63.2019, 78.5942,  
100.6474

■ 75.6163, 86.0057,  
101.4236

■ 58.4989, 75.6685,  
100.3305

■ 83.4331, 90.5458,  
101.8880

■ 54.7206, 73.2226,  
100.0576

■ 91.8689, 95.4081,  
102.3819

■ 51.8009, 71.2224,  
99.8254

■ 92.2169, 96.1041,  
102.4979

49.6646, 69.6291,  
99.6304

92.5670, 96.8043,  
102.6146

48.2239, 68.3974,  
99.4686

92.9191, 97.5086,  
102.7320

47.3680, 67.4703,  
99.3348

93.2734, 98.2172,  
102.8500

47.1524, 67.1952,  
99.2930

93.6298, 98.9300,  
102.9688

93.9435, 99.5574,  
103.0734

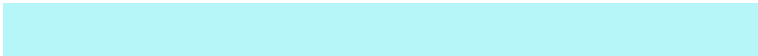
# Harmonies

## Analogous

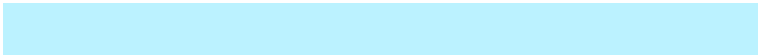
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2518, 82.0272, 85.5457



68.8871, 82.0272, 101.0090



71.8998, 82.0272, 114.6444

# Triad

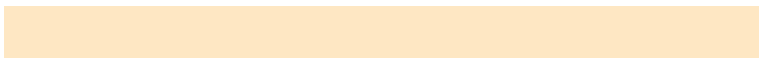
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



68.8871, 82.0272, 101.0090



86.3692, 82.0272, 108.3671



79.3066, 82.0272, 63.2928

# Complementary

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



68.8871, 82.0272, 101.0090



64.5048, 58.0323, 52.0593

# 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.



84.3607, 82.0272, 68.0193



68.8871, 82.0272, 101.0090



88.5573, 82.0272, 93.1907

# Square

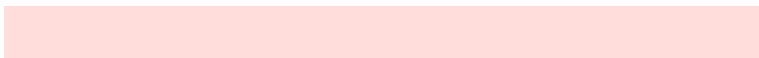
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



68.8871, 82.0272, 101.0090



81.9477, 82.0272, 119.2184



87.8060, 82.0272, 78.5579

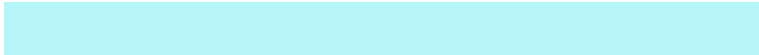


74.1123, 82.0272, 64.8813

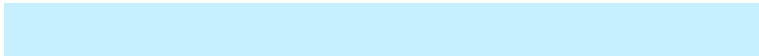


# Rectangle

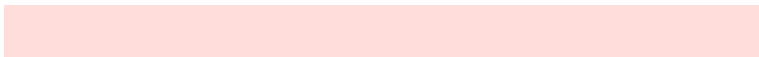
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



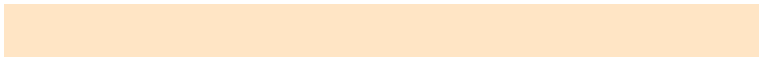
68.8871, 82.0272, 101.0090



74.9284, 82.0272, 120.2845



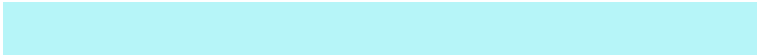
87.8060, 82.0272, 78.5579



81.0813, 82.0272, 64.1753

# Sweetspot

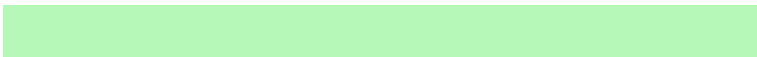
The Sweet Spot groups the original color and five complimentary colors.



68.8895, 82.0305, 101.0109



87.6442, 95.7445, 108.4689



61.5331, 80.5505, 57.7638



18.4800, 20.3316, 23.2003



0.0000, 0.0000, 0.0000

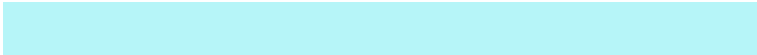


20.3446, 21.4041, 23.3091



# Same Dimension

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



68.8895, 82.0305, 101.0109



69.9614, 85.3284, 107.3904



59.9803, 64.2121, 98.0411



17.6943, 19.4654, 22.2099



25.5005, 36.3566, 53.6471



2.3821, 3.4078, 4.9754



# Inverse Universe

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



71.9227, 60.0068, 94.1816



73.7195, 58.2844, 98.8750



72.0209, 73.0644, 54.5647



17.9570, 17.5102, 21.6292



29.1635, 14.0811, 44.4309

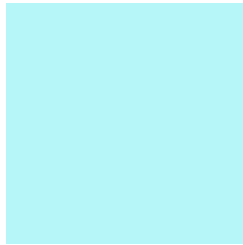


2.7113, 1.3082, 4.1690



# Previews

## White Background



This preview shows how the XYZ color 68.8871, 82.0272, 101.0090 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

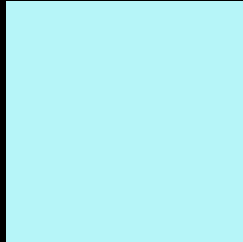
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 68.8871, 82.0272, 101.0090 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 68.8871, 82.0272, 101.0090

## Background



This preview shows how black text looks on a background with the XYZ color 68.8871, 82.0272, 101.0090.



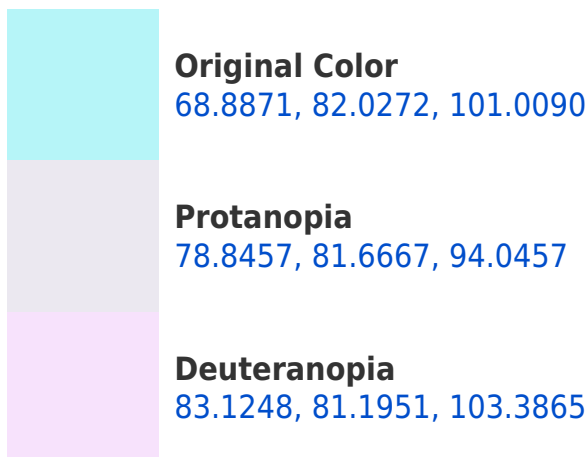
This preview shows how white text looks on a background with the XYZ color 68.8871, 82.0272,



# 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

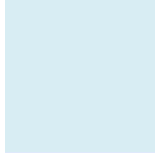
72.7633, 81.6823, 106.5390

# Trichromacy



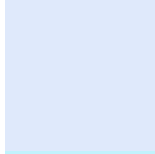
## Original Color

68.8871, 82.0272, 101.0090



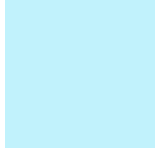
## Protanomaly

74.7808, 81.6384, 96.6104



## Deuteranomaly

76.9829, 80.9308, 102.8306



## Tritanomaly

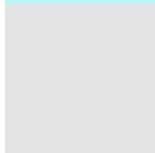
71.3151, 81.8700, 104.1392

# Monochromacy



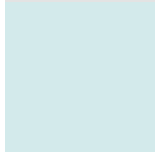
## Original Color

68.8871, 82.0272, 101.0090



## Achromatopsia

73.0128, 76.8151, 83.6517



## Achromatomaly

71.2822, 78.6927, 90.0295

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 68.8871, 82.0272, 101.0090 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, 245, 248)` looks like.

```
.text, #text, p{  
    color:rgb(182, 245, 248)  
}
```

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, 245, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 245, 248) }
```

## Border

The CSS property to change the border of an element to XYZ 68.8871, 82.0272, 101.0090 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, 245, 248) }
```



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

```
.border{ border-color:rgb(182, 245, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 245, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 245, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 245, 248);  
box-shadow:4px 4px 4px 4px rgb(182, 245,  
248) }
```

# Background

The CSS property to change the background color of an element to XYZ 68.8871, 82.0272, 101.0090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 245, 248) }
```

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

```
.background{ background-color: rgb(182,  
245, 248) }
```

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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