

# Converting Colors

XYZ(70.1947, 84.0416,  
102.1445)

Have a look what the booklet for  
XYZ(70.1947, 84.0416, 102.1445)  
contains.

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# **Color**

**XYZ(70.1947, 84.0416,  
102.1445)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7F8F9
RGB	183, 248, 249
RGB Percent	72%, 97%, 98%
CMY	0.2823, 0.0274, 0.0235
CMYK	0.27, 0.00, 0.00, 0.02
HSL	181°, 85%, 85%
HSV	181°, 27%, 98%
XYZ	70.1947, 84.0416, 102.1445
YIQ	228.6790, -39.0610, -13.4690

# Conversions

## Conversions Part 2

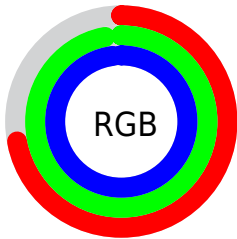
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	183, 216, 249
Decimal	12056825
CIE Lab	93.47, -19.90, -7.05
CIE LCh	93, 21.107, 199.504
Yxy	84.0416, 0.2738, 0.3278
Android (android.graphics.Color)	4290246905 (0xFFB7F8F9)
YUV	228.6790, 10.0183, -40.0605
Hunter-Lab	91.6742, -23.7529, -1.8897

# Details

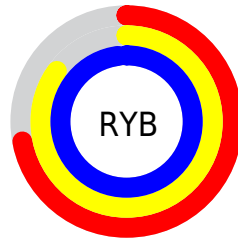
The XYZ color **70.1947, 84.0416, 102.1445** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **64.7556, 57.8401, 52.5527**, and the grayscale version is **74.1916, 78.0553, 85.0023**.

A 20% lighter version of the original color is **89.7452, 97.2653, 108.6517**, and **37.1585, 45.7011, 57.3148** is the 20% darker color. If you saturate the color by 10%, you get **64.6733, 81.0258, 101.8548**, and if you desaturate by 10%, it is **76.7690, 87.6048, 102.4871**.

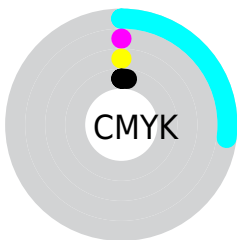
# Distribution



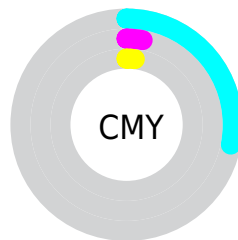
- Red (72%)
- Green (97%)
- Blue (98%)



- Red (72%)
- Yellow (85%)
- Blue (98%)



- Cyan (27%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)




- Cyan (28%)
- Magenta (3%)
- Yellow (2%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1947, 84.0416, 102.1445 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 70.1947, 84.0416, 102.1445 by changing the saturation by 10% instead.




 70.1947, 84.0416,  
102.1445

 70.1947, 84.0416,  
102.1445


450.4891,  
508.4514, 588.3518

 51.9654, 63.0498,  
77.4659


 118.5111,  
139.0334, 166.1786

 37.2017, 45.8815,  
57.1215


149.3290,  
173.8021, 206.3712

 25.5381, 32.1523,  
40.6928

185.0738,  
213.9319, 252.5721

 16.6093, 21.4779,  
27.7612

226.1109,  
259.8073, 305.2000

 10.0499, 13.4737,  
17.9083

272.8056,  
311.8125, 364.6734

 5.4946, 7.7556,  
10.7154

325.5233,

 2.5780, 3.9389,

370.3320, 431.4108

5.7640

384.6293,  
435.7501, 505.8307

■ 0.9347, 1.6395,  
2.6357

■ 0.0000, 0.3840,  
0.9108

■ 70.1947, 84.0416,  
102.1445

■ 70.1947, 84.0416,  
102.1445

■ 64.6733, 81.0258,  
101.8548

■ 76.7690, 87.6048,  
102.4871

■ 60.1421, 78.5187,  
101.6097

■ 84.4399, 91.7315,  
102.8794

■ 56.5433, 76.4927,  
101.4083

■ 92.2560, 95.9333,  
103.2785

■ 53.8101, 74.9132,  
101.2475

■ 92.3725, 96.1663,  
103.3173

■ 51.8669, 73.7413,  
101.1237

■ 92.4892, 96.3997,  
103.3562

■ 50.6249, 72.9312,  
101.0328

■ 92.6061, 96.6336,  
103.3952

■ 49.9730, 72.4257,  
100.9696

■ 92.7233, 96.8679,  
103.4342

■ 49.8243, 72.2899,  
100.9512

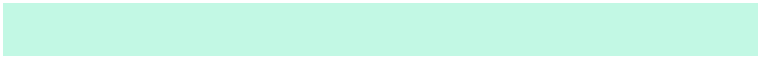
■ 92.8407, 97.1027,  
103.4734

■ 92.9583, 97.3380,  
103.5126

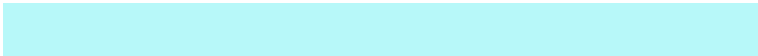
# Harmonies

## Analogous

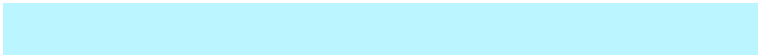
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.7957, 84.0416, 86.0278



70.1947, 84.0416, 102.1445



73.1181, 84.0416, 116.8946

# Triad

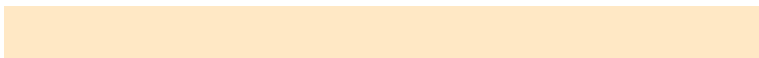
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.1947, 84.0416, 102.1445



88.3112, 84.0416, 112.9261



81.8477, 84.0416, 64.5184

# Complementary

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



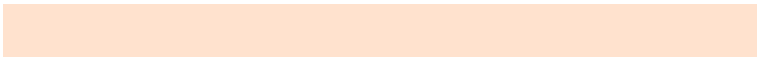
70.1947, 84.0416, 102.1445



64.7556, 57.8401, 52.5527

# 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.



87.0443, 84.0416, 70.0902



70.1947, 84.0416, 102.1445



90.8896, 84.0416, 97.2140

# Square

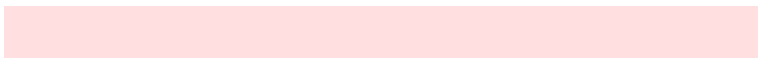
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1947, 84.0416, 102.1445



83.5117, 84.0416, 123.6029



90.4154, 84.0416, 81.6350

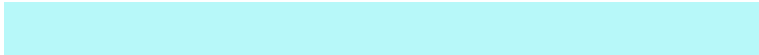


76.3532, 84.0416, 65.5121

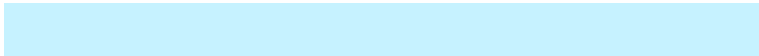


# Rectangle

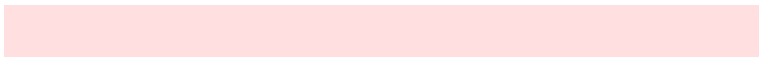
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



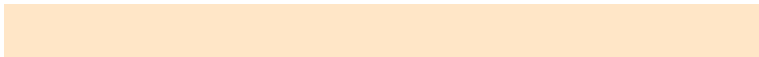
70.1947, 84.0416, 102.1445



76.1842, 84.0416, 123.3810



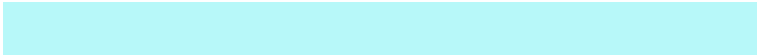
90.4154, 84.0416, 81.6350



83.6914, 84.0416, 65.6576

# Sweetspot

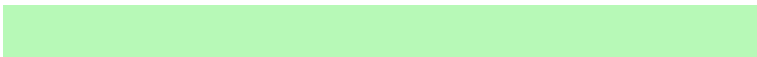
The Sweet Spot groups the original color and five complimentary colors.



70.1972, 84.0450, 102.1464



87.8408, 96.1377, 108.5345



61.9529, 81.2391, 57.2169



18.5300, 20.4316, 23.2170



0.0000, 0.0000, 0.0000

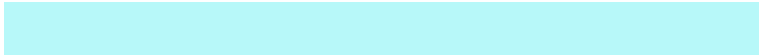


20.3446, 21.4041, 23.3091



# Same Dimension

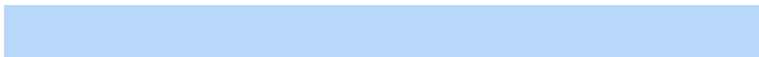
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.1972, 84.0450, 102.1464



70.7402, 86.8859, 107.6500



61.1848, 66.0203, 99.1423



17.7420, 19.5609, 22.2258



26.6800, 38.7155, 54.0402



2.4780, 3.5997, 5.0074



# Inverse Universe

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



72.9456, 60.7859, 96.6989



74.1125, 58.4416, 100.9449



72.1716, 72.6720, 55.0247



17.9811, 17.5198, 21.7561



29.7588, 14.3193, 47.5659

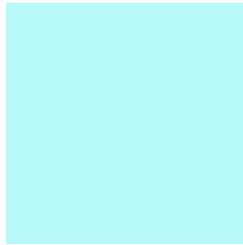


2.7597, 1.3276, 4.4241



# Previews

## White Background



This preview shows how the XYZ color 70.1947, 84.0416, 102.1445 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

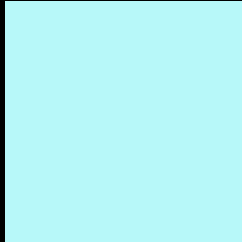
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.1947, 84.0416, 102.1445 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 70.1947, 84.0416, 102.1445

## Background



This preview shows how black text looks on a background with the XYZ color 70.1947, 84.0416, 102.1445.



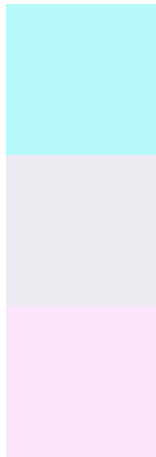
This preview shows how white text looks on a background with the XYZ color 70.1947, 84.0416,



# 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

70.1947, 84.0416, 102.1445

### Protanopia

80.5599, 83.3737, 95.0659

### Deuteranopia

85.1733, 83.4545, 104.5477



## **Tritanopia**

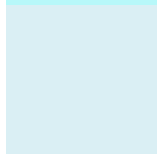
75.2557, 83.8461, 106.8253

# Trichromacy



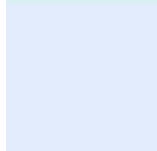
## Original Color

70.1947, 84.0416, 102.1445



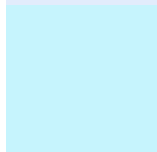
## Protanomaly

76.1091, 83.1701, 97.6300



## Deuteranomaly

78.9302, 83.1879, 103.9923



## Tritanomaly

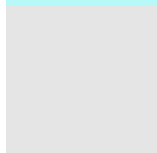
73.3690, 83.7990, 105.2364

# Monochromacy



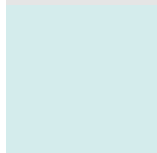
## Original Color

70.1947, 84.0416, 102.1445



## Achromatopsia

74.4753, 78.3538, 85.3273



## Achromatomaly

72.2872, 80.0441, 90.9970

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.1947, 84.0416, 102.1445 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(183, 248, 249)` looks like.

```
.text, #text, p{  
    color:rgb(183, 248, 249)  
}
```

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(183, 248, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 248, 249) }
```

## Border

The CSS property to change the border of an element to XYZ 70.1947, 84.0416, 102.1445 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(183, 248, 249) }
```



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

```
.border{ border-color:rgb(183, 248, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 248, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 248, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 248, 249);  
box-shadow:4px 4px 4px 4px rgb(183, 248,  
249) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.1947, 84.0416, 102.1445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 248, 249) }
```

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

```
.background{ background-color: rgb(183,  
248, 249) }
```

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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