

# Converting Colors

XYZ(71.6398, 83.6979,  
115.1903)

Have a look what the booklet for  
XYZ(71.6398, 83.6979, 115.1903)  
contains.

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# Color

**XYZ(70.0618, 82.9553,  
106.9271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5F6FF
RGB	181, 246, 255
RGB Percent	71%, 96%, 100%
CMY	0.2902, 0.0353, 0.0000
CMYK	0.29, 0.04, 0.00, 0.00
HSL	187°, 100%, 85%
HSV	187°, 29%, 100%
XYZ	70.0618, 82.9553, 106.9271
YIQ	227.5910, -41.6290, -10.9810

# Conversions

## Conversions Part 2

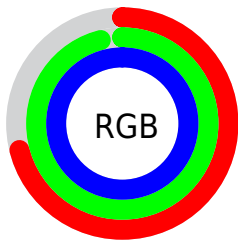
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 216, 255
Decimal	11925247
CIE <sub>Lab</sub>	92.99, -18.14, -10.87
CIE <sub>LCh</sub>	93, 21.148, 210.939
Yxy	82.9553, 0.2695, 0.3191
Android (android.graphics.Color)	4290115327 (0xFFB5F6FF)
YUV	227.5910, 13.5126, -40.8603
Hunter-Lab	91.0798, -22.0811, -5.8502

# Details

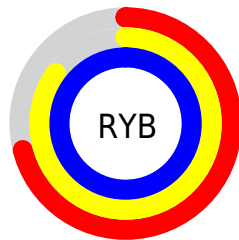
The XYZ color **70.0618, 82.9553, 106.9271** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.9940, 61.4226, 51.9899**, and the grayscale version is **73.3722, 77.1933, 84.0635**.

A 20% lighter version of the original color is **89.0699, 96.9171, 108.6201**, and **37.2107, 45.3397, 60.2163** is the 20% darker color. If you saturate the color by 10%, you get **63.6865, 78.2827, 106.3612**, and if you desaturate by 10%, it is **77.5515, 88.2300, 107.5504**.

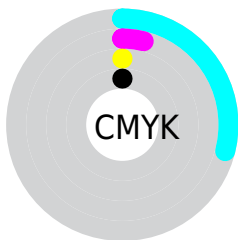
# Distribution



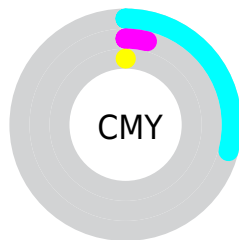
- Red (71%)
- Green (96%)
- Blue (100%)



- Red (71%)
- Yellow (85%)
- Blue (100%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0618, 82.9553, 106.9271 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 70.0618, 82.9553, 106.9271 by changing the saturation by 10% instead.



70.0618, 82.9553,  
106.9271

70.0618, 82.9553,  
106.9271

450.0300,  
504.8375, 603.6159

51.8567, 62.1533,  
81.4491

118.3227,  
137.5129, 172.7791

37.1147, 45.1566,  
60.3784

149.1091,  
172.0372, 213.9902

25.4704, 31.5808,  
43.2964

184.8201,  
211.9044, 261.2827

16.5584, 21.0415,  
29.7846

225.8210,  
257.4989, 315.0752

10.0135, 13.1543,  
19.4245

272.4770,  
309.2050, 375.7863

5.4703, 7.5349,  
11.7975

325.1536,

2.5633, 3.7988,

367.4073, 443.8344

6.4851

384.2162,  
432.4900, 519.6381

■ 0.9273, 1.5617,  
3.0687

■ 0.0000, 0.3315,  
1.1298

■ 70.0618, 82.9553,  
106.9271

■ 70.0618, 82.9553,  
106.9271

■ 63.6865, 78.2827,  
106.3612

■ 77.5515, 88.2300,  
107.5504

■ 58.3591, 74.1714,  
105.8484

■ 86.2044, 94.1256,  
108.2323

■ 54.0164, 70.5910,  
105.3862

95.0500, 100.0000,  
108.9000

■ 50.5852, 67.5034,  
104.9711

■ 47.9824, 64.8659,  
104.5992

■ 46.1091, 62.6271,  
104.2658

■ 44.8192, 60.7118,  
103.9641

■ 44.7060, 60.5319,  
103.9353

# Harmonies

## Analogous

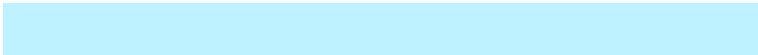
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6721, 82.9553, 90.8251



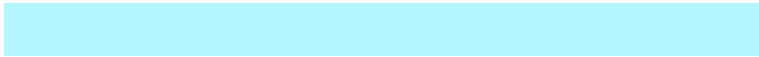
70.0618, 82.9553, 106.9271



73.7867, 82.9553, 119.6879

# Triad

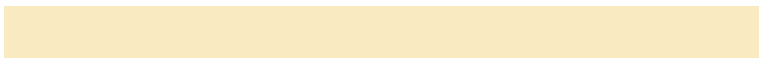
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



70.0618, 82.9553, 106.9271



88.5249, 82.9553, 105.9610



78.6721, 82.9553, 63.1358

# Complementary

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



70.0618, 82.9553, 106.9271



67.9940, 61.4226, 51.9899

# 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.



84.1325, 82.9553, 66.2048



70.0618, 82.9553, 106.9271



89.9793, 82.9553, 89.8252

# Square

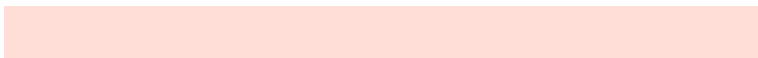
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



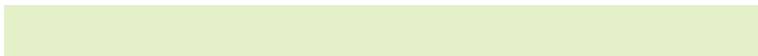
70.0618, 82.9553, 106.9271



84.4486, 82.9553, 119.0858



88.3365, 82.9553, 75.5356



73.4979, 82.9553, 66.6120

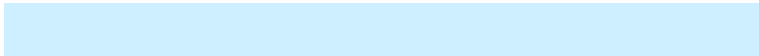


# Rectangle

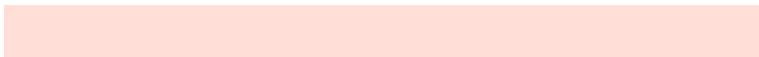
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.0618, 82.9553, 106.9271



77.1816, 82.9553, 123.9091



88.3365, 82.9553, 75.5356



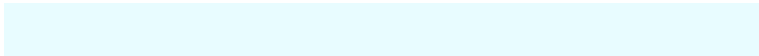
80.5353, 82.9553, 63.4328

# Sweetspot

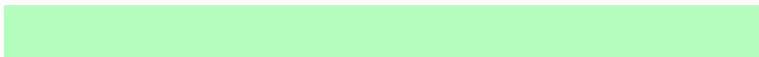
The Sweet Spot groups the original color and five complimentary colors.



70.0640, 82.9585, 106.9276



86.2214, 94.1370, 108.2337



64.0713, 85.0460, 61.5456



18.1694, 19.9570, 23.1444



0.0000, 0.0000, 0.0000

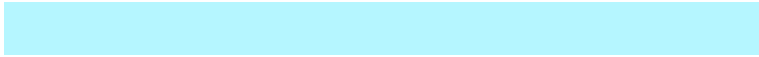


20.3446, 21.4041, 23.3091

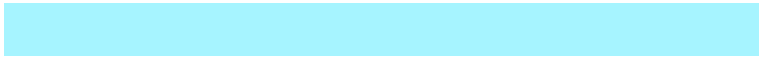


# Same Dimension

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



70.0640, 82.9585, 106.9276



66.1195, 80.0919, 106.5822



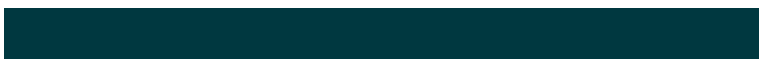
59.9978, 62.8262, 103.5722



18.3553, 20.0822, 23.1588



23.4343, 31.7782, 54.3333



2.3325, 3.1957, 5.3072



# Inverse Universe

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



74.3998, 60.9632, 95.0383



71.1828, 54.9824, 92.5687



76.9501, 79.3348, 54.9752



18.6920, 18.2601, 22.2612



28.6168, 13.9360, 38.2279

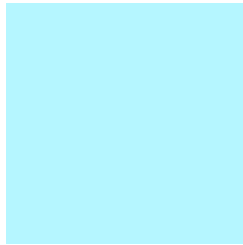


2.8119, 1.3672, 3.8571



# Previews

## White Background



This preview shows how the XYZ color 70.0618, 82.9553, 106.9271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

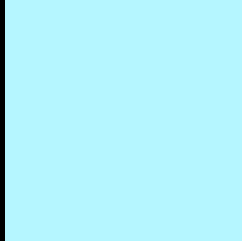
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0618, 82.9553, 106.9271 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 70.0618, 82.9553, 106.9271

## Background



This preview shows how black text looks on a background with the XYZ color 70.0618, 82.9553, 106.9271.



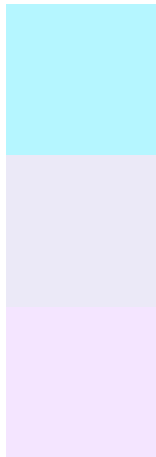
This preview shows how white text looks on a background with the XYZ color 70.0618, 82.9553,



# 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

70.0618, 82.9553, 106.9271

### Protanopia

80.1884, 82.6554, 99.7234

### Deuteranopia

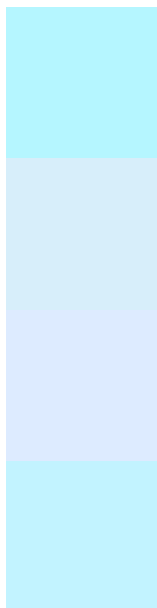
83.3775, 82.4917, 106.1358



## Tritanopia

73.5927, 82.5481, 106.6624

# Trichromacy



## Original Color

70.0618, 82.9553, 106.9271

## Protanomaly

75.8542, 82.4983, 102.3683

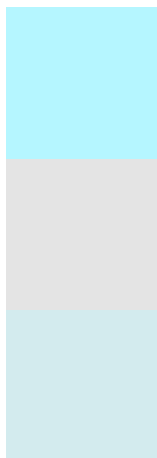
## Deuteranomaly

77.5771, 82.0088, 106.3483

## Tritanomaly

72.3487, 82.7905, 106.7747

# Monochromacy



## Original Color

70.0618, 82.9553, 106.9271

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

72.0049, 79.4386, 92.4270

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0618, 82.9553, 106.9271 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(181, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 246, 255)  
}
```

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(181, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 246, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0618, 82.9553, 106.9271 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(181, 246, 255) }
```



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

```
.border{ border-color:rgb(181, 246, 255) }
```

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

Here you see how a box with a 4 pixel rgb(181, 246, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 246,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0618, 82.9553, 106.9271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 246, 255) }
```

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

```
.background{ background-color: rgb(181,  
246, 255) }
```

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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