

# Converting Colors

XYZ(90.7187, 87.6183,  
212.3630)

Have a look what the booklet for  
XYZ(90.7187, 87.6183, 212.3630)  
contains.

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# Color

**XYZ(70.6169, 79.7065,  
106.2707)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1EEFF
RGB	193, 238, 255
RGB Percent	76%, 93%, 100%
CMY	0.2431, 0.0666, 0.0000
CMYK	0.24, 0.07, 0.00, 0.00
HSL	196°, 100%, 88%
HSV	196°, 24%, 100%
XYZ	70.6169, 79.7065, 106.2707
YIQ	226.4830, -32.2770, -4.2530

# Conversions

## Conversions Part 2

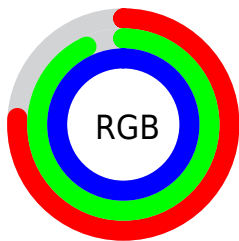
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	193, 219, 255
Decimal	12709631
CIE <sub>Lab</sub>	91.55, -10.73, -12.95
CIE <sub>LCh</sub>	92, 16.822, 230.347
Yxy	79.7065, 0.2752, 0.3106
Android (android.graphics.Color)	4290899711 (0xFFC1EEFF)
YUV	226.4830, 14.0589, -29.3646
Hunter-Lab	89.2785, -15.0486, -8.0796

# Details

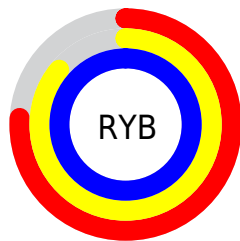
The XYZ color **70.6169, 79.7065, 106.2707** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9123, 71.2030, 60.3020**, and the grayscale version is **72.5583, 76.3369, 83.1309**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **37.4022, 42.9364, 59.7423** is the 20% darker color. If you saturate the color by 10%, you get **62.6728, 72.6502, 105.3274**, and if you desaturate by 10%, it is **79.7651, 87.5049, 107.2938**.

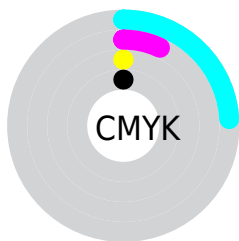
# Distribution



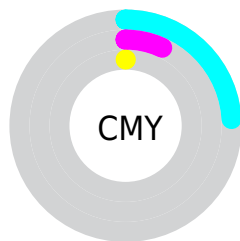
- Red (76%)
- Green (93%)
- Blue (100%)



- Red (76%)
- Yellow (86%)
- Blue (100%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.6169, 79.7065, 106.2707 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 70.6169, 79.7065, 106.2707 by changing the saturation by 10% instead.



70.6169, 79.7065,  
106.2707

70.6169, 79.7065,  
106.2707

451.9458,  
493.9432, 601.5330

52.3110, 59.4769,  
80.9017

119.1096,  
132.9530, 171.8750

37.4783, 42.9971,  
59.9301

150.0271,  
166.7387, 212.9473

25.7534, 29.8828,  
42.9374

185.8791,  
205.8118, 260.0913

16.7710, 19.7497,  
29.5050

227.0312,  
250.5568, 313.7253

10.1656, 12.2132,  
19.2143

273.8485,  
301.3580, 374.2679

5.5720, 6.8891,  
11.6468

326.6965,

2.6248, 3.3928,

358.5999, 442.1377

6.3841

385.9404,  
422.6668, 517.7532

■ 0.9586, 1.3401,  
3.0075

■ 0.0000, 0.1719,  
1.0984

■ 70.6169, 79.7065,  
106.2707

■ 70.6169, 79.7065,  
106.2707

■ 62.6728, 72.6502,  
105.3274

■ 79.7651, 87.5049,  
107.2938

■ 55.8679, 66.2951,  
104.4594

■ 90.1652, 96.0654,  
108.3980

■ 50.1410, 60.6104,  
103.6640

95.0500, 100.0000,  
108.9000

■ 45.4219, 55.5586,  
102.9376

■ 41.6318, 51.0977,  
102.2764

■ 38.6791, 47.1790,  
101.6756

■ 36.4520, 43.7434,  
101.1298

■ 35.4190, 41.9579,  
100.8397

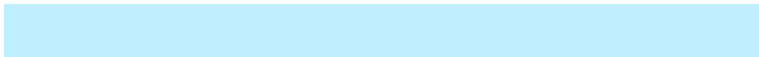
# Harmonies

## Analogous

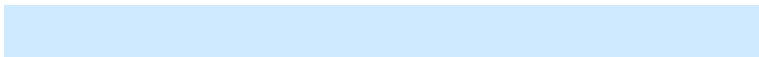
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.2864, 79.7065, 95.2607



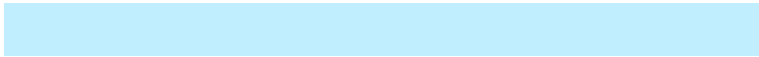
70.6169, 79.7065, 106.2707



74.3842, 79.7065, 112.2151

# Triad

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



70.6169, 79.7065, 106.2707



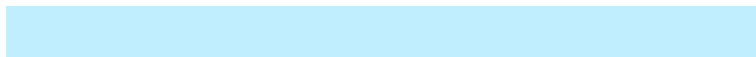
84.1830, 79.7065, 90.8079



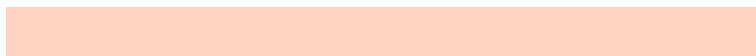
72.9272, 79.7065, 66.4722

# Complementary

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



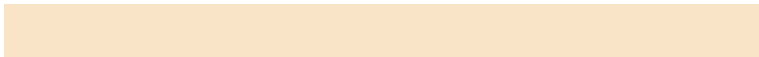
70.6169, 79.7065, 106.2707



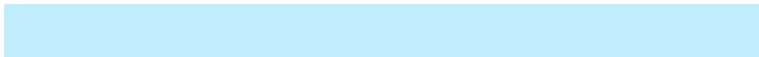
73.9123, 71.2030, 60.3020

# 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.



77.1500, 79.7065, 65.5231



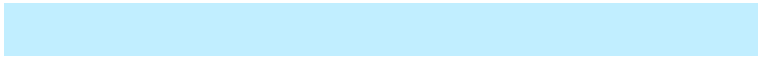
70.6169, 79.7065, 106.2707



83.7570, 79.7065, 78.8310

# Square

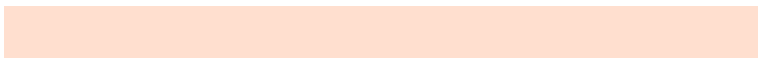
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



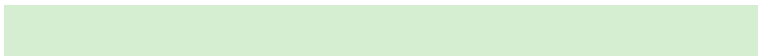
70.6169, 79.7065, 106.2707



82.2871, 79.7065, 102.7480



81.1441, 79.7065, 69.8430

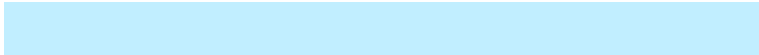


69.5849, 79.7065, 72.5706



# Rectangle

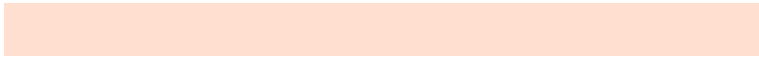
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



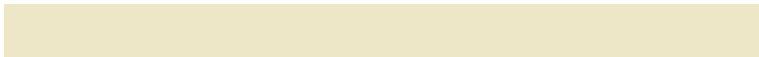
70.6169, 79.7065, 106.2707



77.2495, 79.7065, 112.1562



81.1441, 79.7065, 69.8430



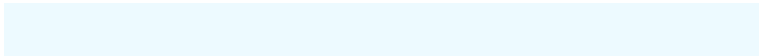
74.2871, 79.7065, 65.5642

# Sweetspot

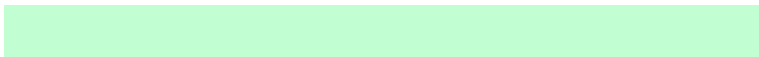
The Sweet Spot groups the original color and five complimentary colors.



70.6190, 79.7096, 106.2712



87.2439, 93.6879, 108.0931



69.3283, 87.4879, 73.9029



18.5361, 19.9405, 23.1219



0.0000, 0.0000, 0.0000

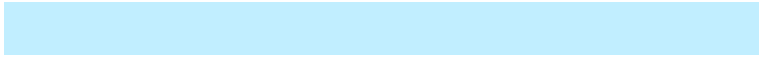


20.3446, 21.4041, 23.3091

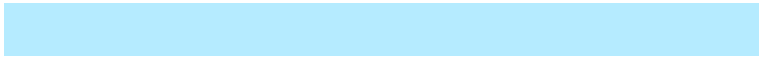


# Same Dimension

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



70.6190, 79.7096, 106.2712



66.7482, 76.3107, 105.8192



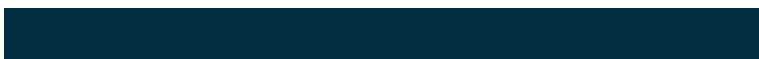
62.4699, 63.4113, 103.5548



18.1091, 19.5898, 23.0767



18.6383, 22.1862, 52.7346



1.9060, 2.3428, 5.1650



# Inverse Universe

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



75.7440, 65.5747, 89.5575



72.7301, 60.3105, 86.1990



82.1836, 87.7455, 63.0591



18.5677, 18.2104, 21.6067



26.1960, 12.9677, 25.4802

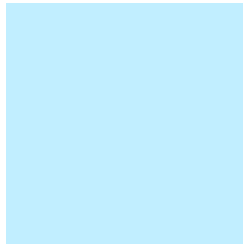


2.5967, 1.2810, 2.7236



# Previews

## White Background



This preview shows how the XYZ color 70.6169, 79.7065, 106.2707 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

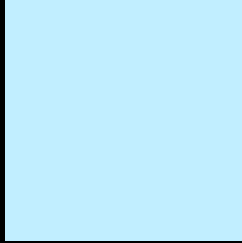
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.6169, 79.7065, 106.2707 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

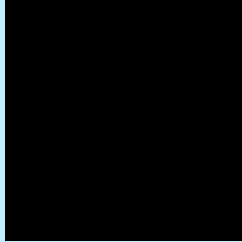
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 70.6169, 79.7065, 106.2707

## Background



This preview shows how black text looks on a background with the XYZ color 70.6169, 79.7065, 106.2707.



This preview shows how white text looks on a background with the XYZ color 70.6169, 79.7065,



# 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

70.6169, 79.7065, 106.2707

### Protanopia

77.4313, 79.5362, 100.8935

### Deuteranopia

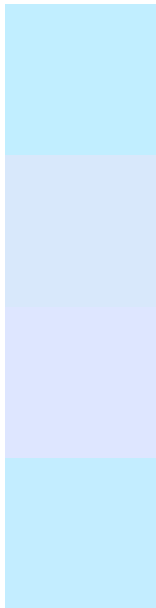
80.5718, 79.4211, 105.6910



## **Tritanopia**

71.0991, 79.5241, 106.2101

# Trichromacy



## Original Color

70.6169, 79.7065, 106.2707

## Protanomaly

74.5881, 79.2772, 102.6376

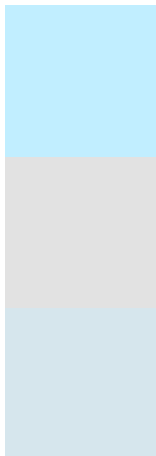
## Deuteranomaly

76.4710, 79.3432, 105.8921

## Tritanomaly

70.8399, 79.3905, 106.1980

# Monochromacy



## Original Color

70.6169, 79.7065, 106.2707

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.3144, 77.0042, 91.2254

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.6169, 79.7065, 106.2707 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(193, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 238, 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(193, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 70.6169, 79.7065, 106.2707 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(193, 238, 255) }
```



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

```
.border{ border-color:rgb(193, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.6169, 79.7065, 106.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 238, 255) }
```

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

```
.background{ background-color: rgb(193,  
238, 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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