

Converting Colors

XYZ(72.0300, 79.9779,
111.3164)

Have a look what the booklet for
XYZ(72.0300, 79.9779, 111.3164)
contains.

XYZ(71.0991, 79.5241, 106.2101)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(71.0991, 79.5241,
106.2101)**

Conversions

Conversions Part 1

Format	Color
Hex	C4EDFF
RGB	196, 237, 255
RGB Percent	77%, 93%, 100%
CMY	0.2314, 0.0706, 0.0000
CMYK	0.23, 0.07, 0.00, 0.00
HSL	198°, 100%, 88%
HSV	198°, 23%, 100%
XYZ	71.0991, 79.5241, 106.2101
YIQ	226.7930, -30.2140, -3.0940

Conversions

Conversions Part 2

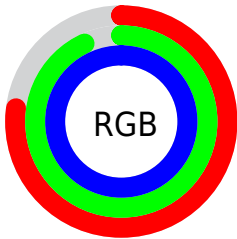
Format	Color
R _Y B	196, 220, 255
Decimal	12905983
CIE Lab	91.47, -9.35, -13.06
CIE LCh	91, 16.059, 234.384
Yxy	79.5241, 0.2768, 0.3096
Android (android.graphics.Color)	4291096063 (0xFFC4EDFF)
YUV	226.7930, 13.9061, -27.0055
Hunter-Lab	89.1763, -13.7428, -8.1917

Details

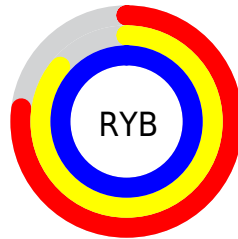
The XYZ color **71.0991, 79.5241, 106.2101** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.2502, 73.3379, 62.4158**, and the grayscale version is **72.7830, 76.5733, 83.3884**.

A 20% lighter version of the original color is **94.3180, 99.6226, 108.8657**, and **37.7014, 42.7877, 59.6979** is the 20% darker color. If you saturate the color by 10%, you get **62.8186, 71.9863, 105.1916**, and if you desaturate by 10%, it is **80.6088, 87.8446, 107.3149**.

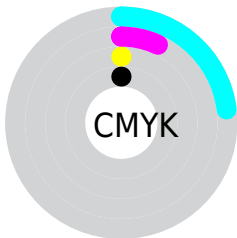
Distribution



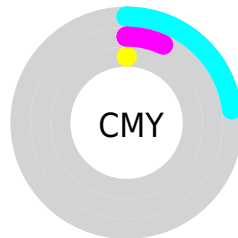
- Red (77%)
- Green (93%)
- Blue (100%)



- Red (77%)
- Yellow (86%)
- Blue (100%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0991, 79.5241, 106.2101 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 71.0991, 79.5241, 106.2101 by changing the saturation by 10% instead.

71.0991, 79.5241,
106.2101

71.0991, 79.5241,
106.2101

453.6062,
493.3276, 601.3405

52.7059, 59.3268,
80.8512

119.7926,
132.6964, 171.7915

37.7946, 42.8763,
59.8888

150.8235,
166.4403, 212.8510

25.9998, 29.7880,
42.9043

186.7978,
205.4684, 259.9812

16.9562, 19.6778,
29.4792

228.0808,
250.1653, 313.6006

10.2983, 12.1610,
19.1949

275.0377,
300.9152, 374.1276

5.6610, 6.8534,
11.6330

328.0341,

2.6787, 3.3706,

358.1026, 441.9809

6.3748

387.4351,
422.1120, 517.5791

■ 0.9862, 1.3281,
3.0018

■ 0.0000, 0.1628,
1.0956

■ 71.0991, 79.5241,
106.2101

■ 71.0991, 79.5241,
106.2101

■ 62.8186, 71.9863,
105.1916

■ 80.6088, 87.8446,
107.3149

■ 55.7026, 65.1901,
104.2549

■ 91.3955, 96.9682,
108.5074

■ 49.6902, 59.1042,
103.3970

■ 95.0500, 100.0000,
108.9000

■ 44.7118, 53.6908,
102.6145

■ 40.6894, 48.9077,
101.9033

■ 37.5328, 44.7065,
101.2588

■ 35.1328, 41.0290,
100.6754

■ 33.8156, 38.7512,
100.3052

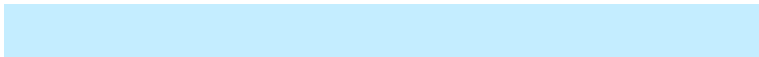
Harmonies

Analogous

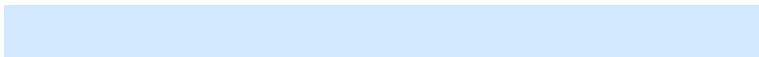
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.6490, 79.5241, 96.2193



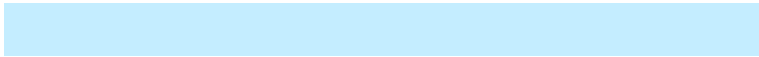
71.0991, 79.5241, 106.2101



74.8185, 79.5241, 110.9819

Triad

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



71.0991, 79.5241, 106.2101



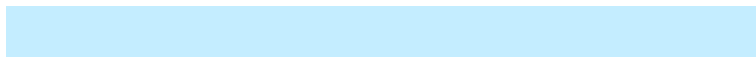
83.6817, 79.5241, 88.8104



72.3861, 79.5241, 67.6588

Complementary

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



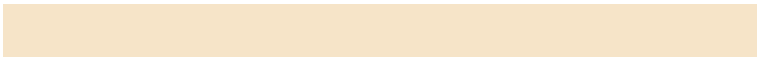
71.0991, 79.5241, 106.2101



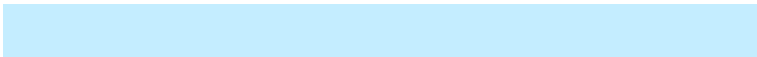
75.2502, 73.3379, 62.4158

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.



76.3572, 79.5241, 66.0597



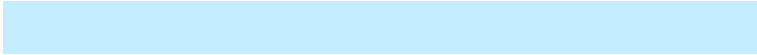
71.0991, 79.5241, 106.2101



82.9737, 79.5241, 77.6222

Square

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



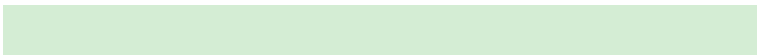
71.0991, 79.5241, 106.2101



82.1576, 79.5241, 100.3721



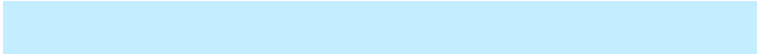
80.2563, 79.5241, 69.5454



69.3731, 79.5241, 74.1279

Rectangle

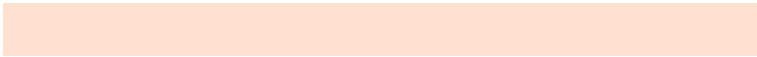
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



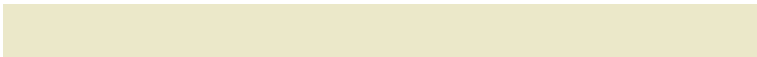
71.0991, 79.5241, 106.2101



77.5549, 79.5241, 110.2782



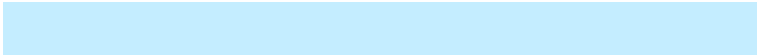
80.2563, 79.5241, 69.5454



73.6493, 79.5241, 66.5599

Sweetspot

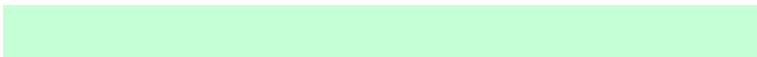
The Sweet Spot groups the original color and five complimentary colors.



71.1012, 79.5272, 106.2106



87.0728, 93.3456, 108.0360



70.6253, 88.0960, 76.7008



18.4964, 19.8610, 23.1086



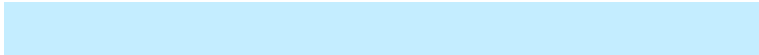
0.0000, 0.0000, 0.0000



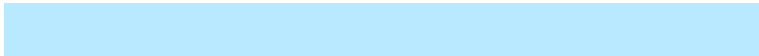
20.3446, 21.4041, 23.3091

Same Dimension

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



71.1012, 79.5272, 106.2106



66.9231, 75.7644, 105.7045



63.3234, 63.9715, 103.6180



18.0598, 19.4913, 23.0603



17.8074, 20.5244, 52.4576



1.8304, 2.1915, 5.1398

Inverse Universe

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



76.2673, 66.8558, 89.0091



73.0372, 61.2709, 85.2338



83.3148, 89.4670, 65.1039



18.5428, 18.2005, 21.4758



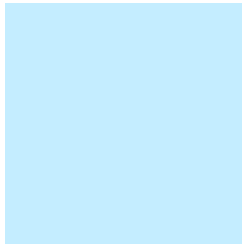
25.7765, 12.7999, 23.2715



2.5585, 1.2658, 2.5225

Previews

White Background



This preview shows how the XYZ color 71.0991, 79.5241, 106.2101 looks on a white background.

Color Contrast Check

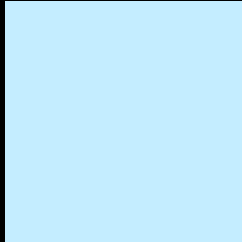
Large Text (above 18pt) WCAG AA × Fail

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 71.0991, 79.5241, 106.2101 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 71.0991, 79.5241, 106.2101

Background



This preview shows how black text looks on a background with the XYZ color 71.0991, 79.5241, 106.2101.



This preview shows how white text looks on a background with the XYZ color 71.0991, 79.5241,

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

71.0991, 79.5241, 106.2101

Protanopia

76.9936, 78.8829, 101.6104

Deuteranopia

80.5718, 79.4211, 105.6910



Tritanopia

71.3601, 79.6587, 106.2223

Trichromacy



Original Color

71.0991, 79.5241, 106.2101

Protanomaly

74.4655, 78.7790, 103.3766

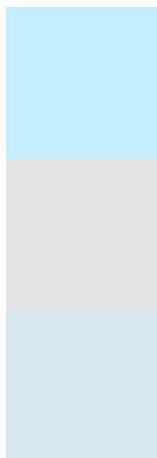
Deuteranomaly

76.5007, 78.9466, 105.8139

Tritanomaly

71.3601, 79.6587, 106.2223

Monochromacy



Original Color

71.0991, 79.5241, 106.2101

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.1809, 77.8652, 91.3459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0991, 79.5241, 106.2101 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(196, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 237, 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(196, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.0991, 79.5241, 106.2101 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(196, 237, 255) }
```


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

```
.border{ border-color:rgb(196, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0991, 79.5241, 106.2101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 237, 255) }
```

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

```
.background{ background-color: rgb(196,  
237, 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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