

Converting Colors

XYZ(70.2577, 78.6846,
106.0924)

Have a look what the booklet for
XYZ(70.2577, 78.6846, 106.0924)
contains.

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Color

**XYZ(70.2936, 78.6802,
106.0897)**

Conversions

Conversions Part 1

Format	Color
Hex	C2ECFF
RGB	194, 236, 255
RGB Percent	76%, 93%, 100%
CMY	0.2392, 0.0745, 0.0000
CMYK	0.24, 0.07, 0.00, 0.00
HSL	199°, 100%, 88%
HSV	199°, 24%, 100%
XYZ	70.2936, 78.6802, 106.0897
YIQ	225.6080, -31.1310, -2.9950

Conversions

Conversions Part 2

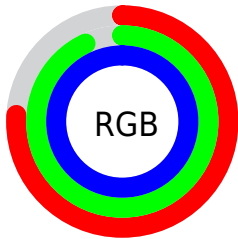
Format	Color
RYB	194, 219, 255
Decimal	12774655
CIELab	91.09, -9.43, -13.64
CIELCh	91, 16.580, 235.343
Yxy	78.6802, 0.2756, 0.3085
Android (android.graphics.Color)	4290964735 (0xFFC2ECFF)
YUV	225.6080, 14.4903, -27.7202
Hunter-Lab	88.7019, -13.7723, -8.8211

Details

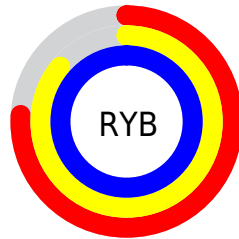
The XYZ color **70.2936, 78.6802, 106.0897** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7719, 72.7430, 61.1407**, and the grayscale version is **71.9224, 75.6680, 82.4024**.

A 20% lighter version of the original color is **93.5937, 99.2492, 108.8318**, and **37.1618, 42.2087, 59.6145** is the 20% darker color. If you saturate the color by 10%, you get **62.0666, 71.1219, 105.0644**, and if you desaturate by 10%, it is **79.7494, 87.0269, 107.2024**.

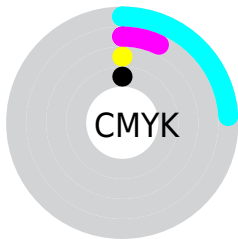
Distribution



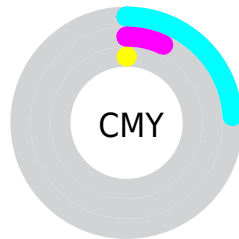
- Red (76%)
- Green (93%)
- Blue (100%)



- 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 70.2936, 78.6802, 106.0897 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 70.2936, 78.6802, 106.0897 by changing the saturation by 10% instead.

70.2936, 78.6802,
106.0897

70.2936, 78.6802,
106.0897

450.8306,
490.4738, 600.9580

52.0464, 58.6329,
80.7508

118.6513,
131.5086, 171.6256

37.2665, 42.3177,
59.8066

149.4926,
165.0584, 212.6596

25.5885, 29.3501,
42.8385

185.2625,
203.8779, 259.7625

16.6471, 19.3458,
29.4280

226.3266,
248.3514, 313.3527

10.0769, 11.9204,
19.1564

273.0500,
298.8634, 373.8488

5.5127, 6.6895,
11.6054

325.7983,

2.5889, 3.2687,

355.7982, 441.6694

6.3563

384.9367,
419.5402, 517.2329

■ 0.9403, 1.2736,
2.9907

■ 0.0000, 0.1206,
1.0899

■ 70.2936, 78.6802,
106.0897

■ 70.2936, 78.6802,
106.0897

■ 62.0666, 71.1219,
105.0644

■ 79.7494, 87.0269,
107.2024

■ 55.0036, 64.3105,
104.1219

■ 90.4822, 96.1828,
108.4040

■ 49.0427, 58.2145,
103.2594

95.0500, 100.0000,
108.9000

■ 44.1139, 52.7954,
102.4732

■ 40.1382, 48.0107,
101.7592

■ 37.0243, 43.8110,
101.1127

■ 34.6608, 40.1368,
100.5281

■ 33.4948, 38.1096,
100.1983

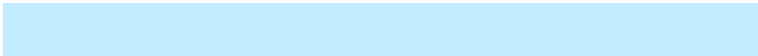
Harmonies

Analogous

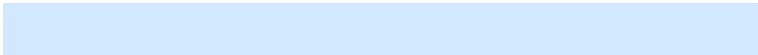
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



67.7342, 78.6802, 95.9322



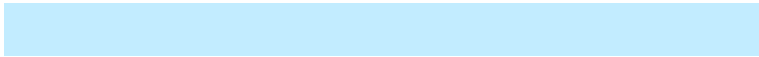
70.2936, 78.6802, 106.0897



74.1307, 78.6802, 110.7918

Triad

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



70.2936, 78.6802, 106.0897



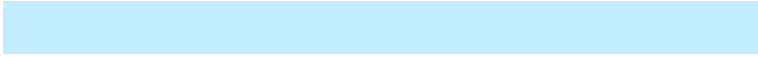
83.1059, 78.6802, 87.5570



71.3867, 78.6802, 66.4587

Complementary

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



70.2936, 78.6802, 106.0897



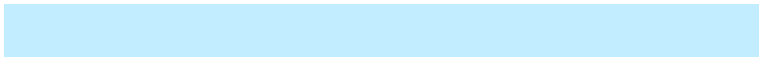
74.7719, 72.7430, 61.1407

Split Complementary

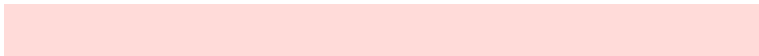
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.4394, 78.6802, 64.6644



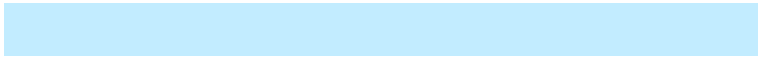
70.2936, 78.6802, 106.0897



82.3050, 78.6802, 76.1659

Square

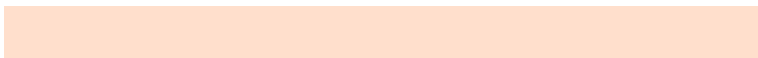
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



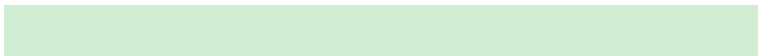
70.2936, 78.6802, 106.0897



81.6095, 78.6802, 99.4750



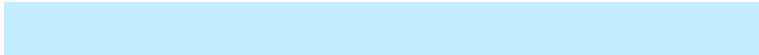
79.4599, 78.6802, 68.0534



68.3486, 78.6802, 73.2041

Rectangle

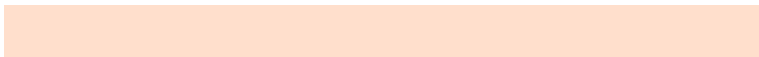
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2936, 78.6802, 106.0897



76.9356, 78.6802, 109.9083



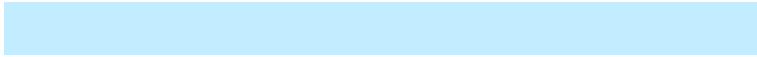
79.4599, 78.6802, 68.0534



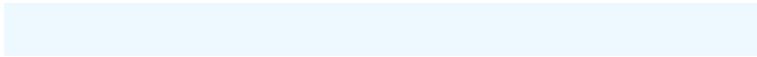
72.6712, 78.6802, 65.2850

Sweetspot

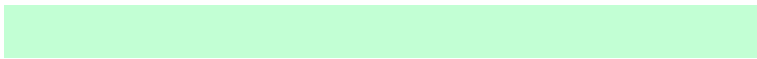
The Sweet Spot groups the original color and five complimentary colors.



70.2957, 78.6833, 106.0902



87.0374, 93.2748, 108.0242



69.9308, 87.7585, 75.7408



18.4882, 19.8446, 23.1059



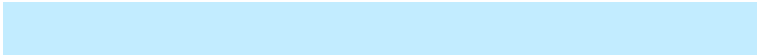
0.0000, 0.0000, 0.0000



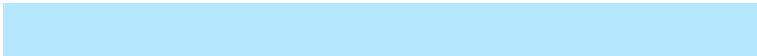
20.3446, 21.4041, 23.3091

Same Dimension

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



70.2957, 78.6833, 106.0902



65.9662, 74.7466, 105.5585



62.4190, 62.9299, 103.4646



18.0497, 19.4709, 23.0569



17.6410, 20.1916, 52.4022



1.8152, 2.1610, 5.1347

Inverse Universe

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



75.6735, 65.9014, 88.0922



72.3354, 60.1526, 84.1203



82.9689, 89.1371, 63.8730



18.5377, 18.1984, 21.4487



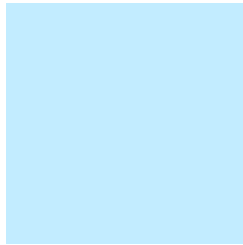
25.6926, 12.7663, 22.8293



2.5508, 1.2627, 2.4820

Previews

White Background



This preview shows how the XYZ color 70.2936, 78.6802, 106.0897 looks on a white background.

Color Contrast Check

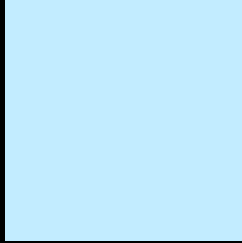
Large Text (above 18pt) WCAG AA × Fail

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 70.2936, 78.6802, 106.0897 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

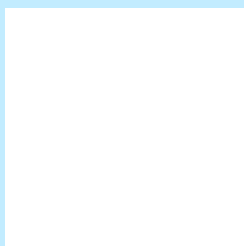
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 70.2936, 78.6802, 106.0897

Background



This preview shows how black text looks on a background with the XYZ color 70.2936, 78.6802, 106.0897.



This preview shows how white text looks on a background with the XYZ color 70.2936, 78.6802,

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

70.2936, 78.6802, 106.0897

Protanopia

76.4030, 78.1712, 101.5042

Deuteranopia

79.6307, 78.5358, 105.5697



Tritanopia

70.2936, 78.6802, 106.0897

Trichromacy



Original Color

70.2936, 78.6802, 106.0897

Protanomaly

73.8918, 78.0690, 103.2698

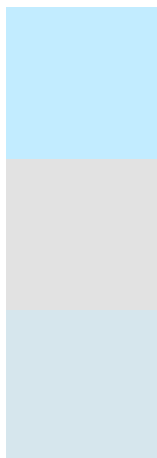
Deuteranomaly

75.6122, 78.0790, 105.6933

Tritanomaly

70.2936, 78.6802, 106.0897

Monochromacy



Original Color

70.2936, 78.6802, 106.0897

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 70.2936, 78.6802, 106.0897 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(194, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(194, 236, 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(194, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 70.2936, 78.6802, 106.0897 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(194, 236, 255) }
```


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

```
.border{ border-color:rgb(194, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(194, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2936, 78.6802, 106.0897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 236, 255) }
```

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

```
.background{ background-color: rgb(194,  
236, 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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