

Converting Colors

XYZ(71.6813, 82.3975,
106.7413)

Have a look what the booklet for
XYZ(71.6813, 82.3975, 106.7413)
contains.

XYZ(71.8388, 82.5277, 106.7509)	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(71.8388, 82.5277,
106.7509)**

Conversions

Conversions Part 1

Format	Color
Hex	C0F3FF
RGB	192, 243, 255
RGB Percent	75%, 95%, 100%
CMY	0.2470, 0.0470, 0.0000
CMYK	0.25, 0.05, 0.00, 0.00
HSL	191°, 100%, 88%
HSV	191°, 25%, 100%
XYZ	71.8388, 82.5277, 106.7509
YIQ	229.1190, -34.2480, -7.0800

Conversions

Conversions Part 2

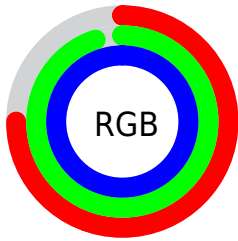
Format	Color
RYB	192, 220, 255
Decimal	12645375
CIELab	92.81, -13.54, -11.09
CIElCh	93, 17.503, 219.304
Yxy	82.5277, 0.2751, 0.3161
Android (android.graphics.Color)	4290835455 (0xFFC0F3FF)
YUV	229.1190, 12.7593, -32.5534
Hunter-Lab	90.8448, -17.8230, -6.0798

Details

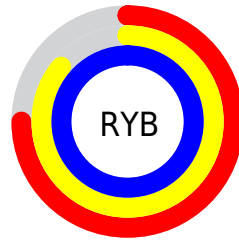
The XYZ color **71.8388, 82.5277, 106.7509** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.3471, 68.2506, 59.2314**, and the grayscale version is **74.4927, 78.3721, 85.3472**.

A 20% lighter version of the original color is **92.8769, 98.8797, 108.7983**, and **38.2799, 44.9362, 60.0821** is the 20% darker color. If you saturate the color by 10%, you get **64.4996, 76.6176, 105.9969**, and if you desaturate by 10%, it is **80.3394, 89.0978, 107.5710**.

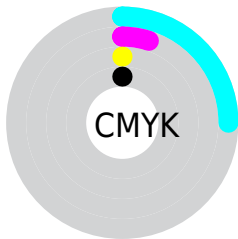
Distribution



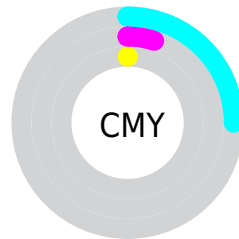
- Red (75%)
- Green (95%)
- Blue (100%)



- Red (75%)
- Yellow (86%)
- Blue (100%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8388, 82.5277, 106.7509 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 71.8388, 82.5277, 106.7509 by changing the saturation by 10% instead.

71.8388, 82.5277,
106.7509

71.8388, 82.5277,
106.7509

456.1467,
503.4111, 603.0572

53.3120, 61.8006,
81.3021

120.8394,
136.9138, 172.5365

38.2804, 44.8716,
60.2580

152.0438,
171.3415, 213.7103

26.3786, 31.3563,
43.2000

188.2049,
211.1050, 260.9630

17.2412, 20.8703,
29.7095

229.6879,
256.5885, 314.7130

10.5030, 13.0292,
19.3680

276.8583,
308.1765, 375.3789

5.7985, 7.4487,
11.7570

330.0813,

2.7625, 3.7443,

366.2533, 443.3792

6.4579

389.7223,
431.2034, 519.1324

■ 1.0294, 1.5316,
3.0522

■ 0.0000, 0.3108,
1.1214

■ 71.8388, 82.5277,
106.7509

■ 71.8388, 82.5277,
106.7509

■ 64.4996, 76.6176,
105.9969

■ 80.3394, 89.0978,
107.5710

■ 58.2572, 71.3274,
105.3048

■ 90.0487, 96.3463,
108.4584

■ 53.0508, 66.6275,
104.6721

95.0500, 100.0000,
108.9000

■ 48.8105, 62.4814,
104.0953

■ 45.4578, 58.8481,
103.5707

■ 42.9011, 55.6800,
103.0939

■ 41.0282, 52.9188,
102.6597

■ 40.2289, 51.5777,
102.4430

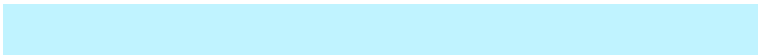
Harmonies

Analogous

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



70.0886, 82.5277, 93.9868



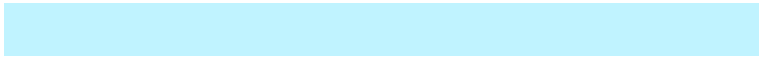
71.8388, 82.5277, 106.7509



75.3772, 82.5277, 115.5007

Triad

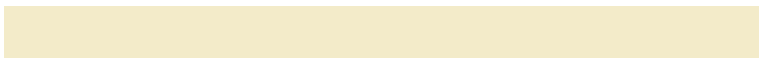
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



71.8388, 82.5277, 106.7509



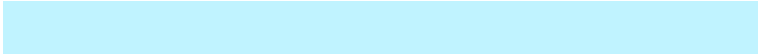
86.9458, 82.5277, 99.0437



77.0288, 82.5277, 67.2530

Complementary

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



71.8388, 82.5277, 106.7509



72.3471, 68.2506, 59.2314

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.



81.5849, 82.5277, 68.3237



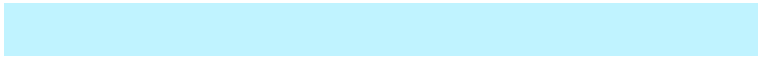
71.8388, 82.5277, 106.7509



87.4299, 82.5277, 85.8532

Square

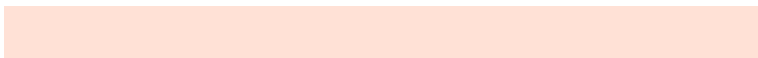
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



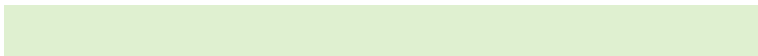
71.8388, 82.5277, 106.7509



84.1357, 82.5277, 110.7598



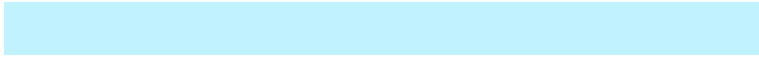
85.4339, 82.5277, 74.8496



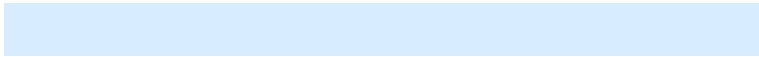
73.0075, 82.5277, 71.7677

Rectangle

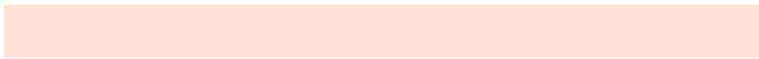
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8388, 82.5277, 106.7509



78.3335, 82.5277, 117.4279



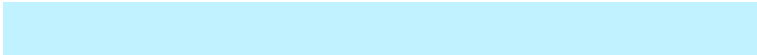
85.4339, 82.5277, 74.8496



78.5468, 82.5277, 66.9821

Sweetspot

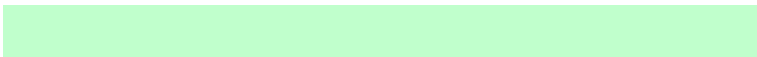
The Sweet Spot groups the original color and five complimentary colors.



71.8410, 82.5309, 106.7514



87.7105, 94.6210, 108.2486



68.3444, 87.0650, 70.0487



18.6444, 20.1570, 23.1580



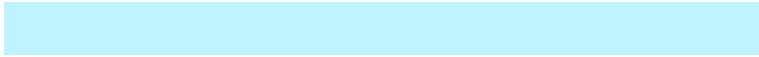
0.0000, 0.0000, 0.0000



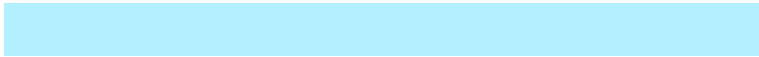
20.3446, 21.4041, 23.3091

Same Dimension

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



71.8410, 82.5309, 106.7514



67.8130, 79.3202, 106.3439



63.3204, 65.4898, 103.9112



18.2436, 19.8588, 23.1215



21.1253, 27.1603, 53.5636



2.1290, 2.7888, 5.2393

Inverse Universe

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



76.2687, 65.4319, 93.4077



73.0528, 59.6172, 90.4333



80.4776, 84.5117, 61.9416



18.6356, 18.2376, 21.9643



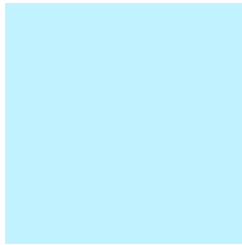
27.4513, 13.4698, 32.0906



2.7092, 1.3261, 3.3163

Previews

White Background



This preview shows how the XYZ color 71.8388, 82.5277, 106.7509 looks on a white background.

Color Contrast Check

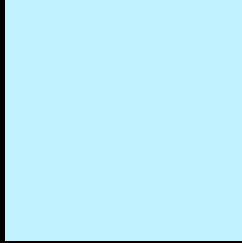
Large Text (above 18pt) WCAG AA × Fail

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 71.8388, 82.5277, 106.7509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

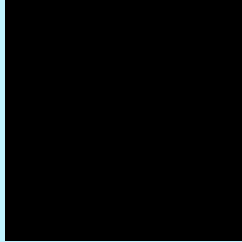
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.8388, 82.5277, 106.7509

Background



This preview shows how black text looks on a background with the XYZ color 71.8388, 82.5277, 106.7509.

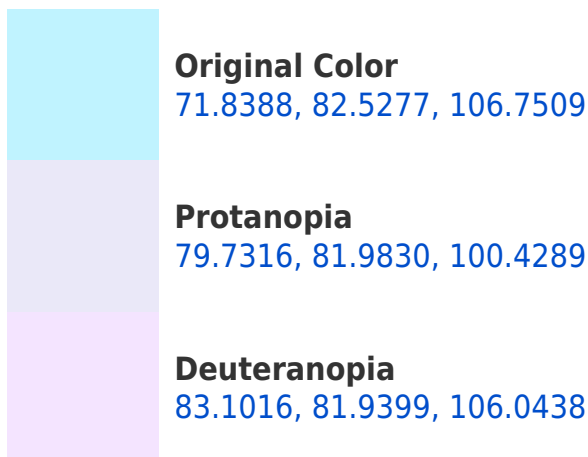


This preview shows how white text looks on a background with the XYZ color 71.8388, 82.5277,

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

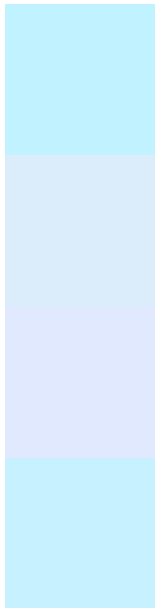




Tritanopia

74.1119, 82.3775, 106.6021

Trichromacy



Original Color

71.8388, 82.5277, 106.7509

Protanomaly

76.6215, 82.0160, 103.0591

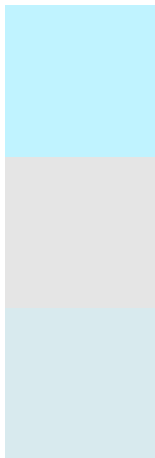
Deuteranomaly

78.2403, 81.5054, 106.2161

Tritanomaly

73.3247, 82.4100, 106.6498

Monochromacy



Original Color

71.8388, 82.5277, 106.7509

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.1743, 79.6176, 92.4000

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8388, 82.5277, 106.7509 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(192, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 243, 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(192, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 243, 255) }
```

Border

The CSS property to change the border of an element to XYZ 71.8388, 82.5277, 106.7509 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(192, 243, 255) }
```


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

```
.border{ border-color:rgb(192, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 243,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8388, 82.5277, 106.7509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 243, 255) }
```

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

```
.background{ background-color: rgb(192,  
243, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor