

Converting Colors

XYZ(72.1715, 80.5381,
106.3493)

Have a look what the booklet for
XYZ(72.1715, 80.5381, 106.3493)
contains.

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Color

**XYZ(72.1777, 80.5112,
106.3438)**

Conversions

Conversions Part 1

Format	Color
Hex	C7EEFF
RGB	199, 238, 255
RGB Percent	78%, 93%, 100%
CMY	0.2196, 0.0666, 0.0000
CMYK	0.22, 0.07, 0.00, 0.00
HSL	198°, 100%, 89%
HSV	198°, 22%, 100%
XYZ	72.1777, 80.5112, 106.3438
YIQ	228.2770, -28.7010, -2.9810

Conversions

Conversions Part 2

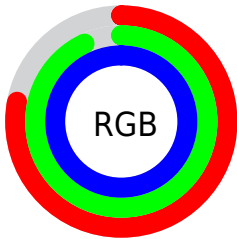
Format	Color
R _{YB}	199, 222, 255
Decimal	13102847
CIE Lab	91.91, -8.98, -12.37
CIE LCh	92, 15.288, 234.041
Yxy	80.5112, 0.2786, 0.3108
Android (android.graphics.Color)	4291292927 (0xFFC7EEFF)
YUV	228.2770, 13.1744, -25.6759
Hunter-Lab	89.7280, -13.4377, -7.4597

Details

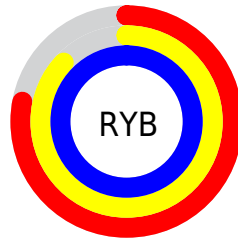
The XYZ color **72.1777, 80.5112, 106.3438** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1044, 74.4943, 64.4022**, and the grayscale version is **73.8690, 77.7159, 84.6326**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.4226, 43.4624, 59.7901** is the 20% darker color. If you saturate the color by 10%, you get **63.7657, 72.9032, 105.3187**, and if you desaturate by 10%, it is **81.8245, 88.9037, 107.4553**.

Distribution



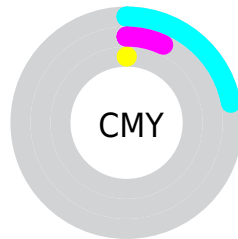
- Red (78%)
- Green (93%)
- Blue (100%)



- Red (78%)
- Yellow (87%)
- Blue (100%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1777, 80.5112, 106.3438 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 72.1777, 80.5112, 106.3438 by changing the saturation by 10% instead.

■ 72.1777, 80.5112,
106.3438

■ 72.1777, 80.5112,
106.3438

457.3079,
496.6539, 601.7651

■ 53.5898, 60.1391,
80.9627

121.3186,
134.0842, 171.9757

■ 38.5032, 43.5308,
59.9800

152.6023,
168.0539, 213.0635

■ 26.5525, 30.3018,
42.9774

188.8487,
207.3250, 260.2240

■ 17.3722, 20.0678,
29.5361

230.4231,
252.2817, 313.8757

■ 10.5972, 12.4443,
19.2377

277.6908,
303.3086, 374.4371

■ 5.8620, 7.0470,
11.6636

331.0173,

■ 2.8012, 3.4915,

360.7900, 442.3268

6.3953

390.7679,
425.1103, 517.9633

■ 1.0495, 1.3934,
3.0143

■ 0.0000, 0.2119,
1.1019

■ 72.1777, 80.5112,
106.3438

■ 72.1777, 80.5112,
106.3438

■ 63.7657, 72.9032,
105.3187

■ 81.8245, 88.9037,
107.4553

■ 56.5245, 66.0388,
104.3753

■ 92.7534, 98.1006,
108.6544

■ 50.3937, 59.8869,
103.5110

■ 95.0500, 100.0000,
108.9000

■ 45.3045, 54.4104,
102.7222

■ 41.1801, 49.5677,
102.0048

■ 37.9321, 45.3114,
101.3545

■ 35.4541, 41.5845,
100.7657

■ 33.8924, 38.9049,
100.3308

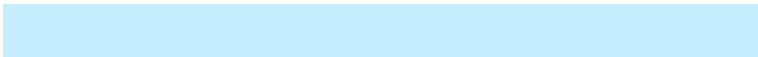
Harmonies

Analogous

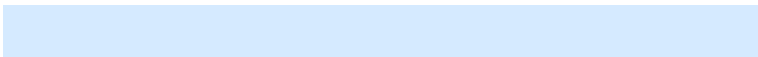
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.8373, 80.5112, 96.7645



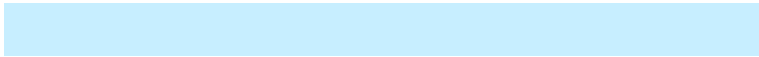
72.1777, 80.5112, 106.3438



75.7428, 80.5112, 110.9602

Triad

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



72.1777, 80.5112, 106.3438



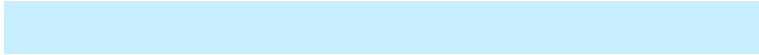
84.2762, 80.5112, 89.9257



73.4905, 80.5112, 69.3718

Complementary

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



72.1777, 80.5112, 106.3438



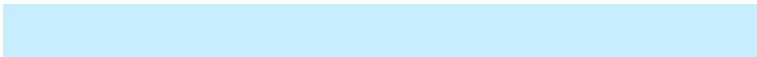
76.1044, 74.4943, 64.4022

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.



77.3095, 80.5112, 67.8788



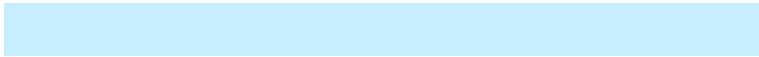
72.1777, 80.5112, 106.3438



83.6233, 80.5112, 79.1509

Square

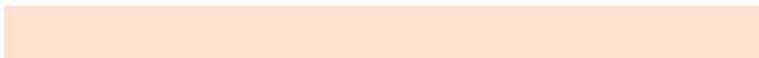
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



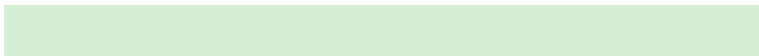
72.1777, 80.5112, 106.3438



82.7950, 80.5112, 100.9744



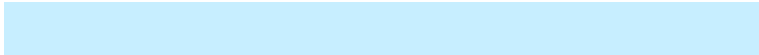
81.0403, 80.5112, 71.3090



70.5770, 80.5112, 75.5761

Rectangle

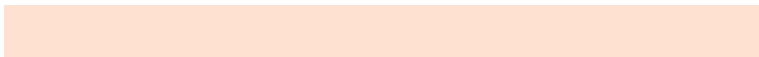
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



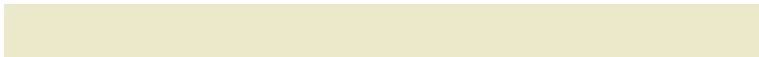
72.1777, 80.5112, 106.3438



78.3688, 80.5112, 110.3425



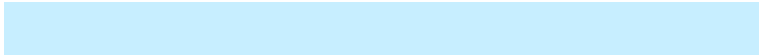
81.0403, 80.5112, 71.3090



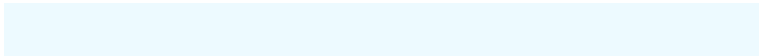
74.7074, 80.5112, 68.3258

Sweetspot

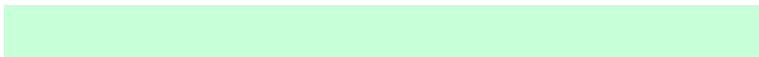
The Sweet Spot groups the original color and five complimentary colors.



72.1798, 80.5144, 106.3443



87.0812, 93.3624, 108.0388



71.6830, 88.6101, 78.1569



18.4984, 19.8650, 23.1093



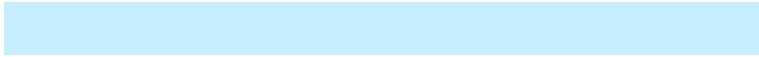
0.0000, 0.0000, 0.0000



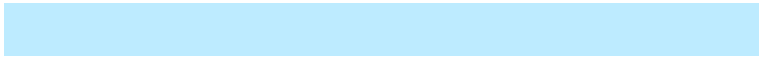
20.3446, 21.4041, 23.3091

Same Dimension

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



72.1798, 80.5144, 106.3443



68.6353, 77.3473, 105.9198



64.7004, 65.5556, 103.8512



18.0623, 19.4961, 23.0611



17.8472, 20.6040, 52.4709



1.8340, 2.1988, 5.1410

Inverse Universe

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



77.0974, 68.2814, 90.0088



74.3509, 63.5174, 86.8462



83.8398, 89.9650, 66.9806



18.5441, 18.2009, 21.4822



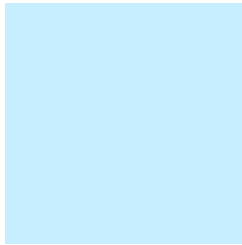
25.7967, 12.8080, 23.3774



2.5603, 1.2665, 2.5322

Previews

White Background



This preview shows how the XYZ color 72.1777, 80.5112, 106.3438 looks on a white background.

Color Contrast Check

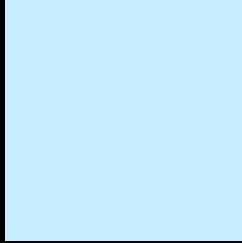
Large Text (above 18pt) WCAG AA × Fail

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 72.1777, 80.5112, 106.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

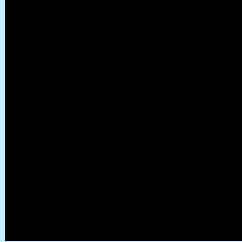
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1777, 80.5112, 106.3438

Background



This preview shows how black text looks on a background with the XYZ color 72.1777, 80.5112, 106.3438.



This preview shows how white text looks on a background with the XYZ color 72.1777, 80.5112,

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

72.1777, 80.5112, 106.3438

Protanopia

78.1853, 80.3188, 101.8247

Deuteranopia

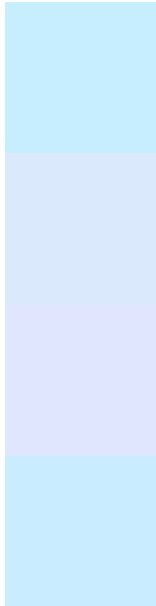
81.1815, 80.1380, 105.7972



Tritanopia

72.6913, 80.3449, 106.2846

Trichromacy



Original Color

72.1777, 80.5112, 106.3438

Protanomaly

75.9230, 80.3662, 103.6061

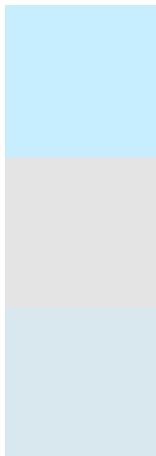
Deuteranomaly

77.3982, 79.8212, 105.9354

Tritanomaly

72.4216, 80.2059, 106.2720

Monochromacy



Original Color

72.1777, 80.5112, 106.3438

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

72.9045, 78.6380, 92.2251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1777, 80.5112, 106.3438 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(199, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 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(199, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 72.1777, 80.5112, 106.3438 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(199, 238, 255) }
```


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

```
.border{ border-color:rgb(199, 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(199, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1777, 80.5112, 106.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 238, 255) }
```

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

```
.background{ background-color: rgb(199,  
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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