

Converting Colors

$Yxy(72.8153, 0.2748, 0.2937)$

Have a look what the booklet for
Yxy(72.8153, 0.2748, 0.2937)
contains.

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Color

Yxy(72.8062, 0.2758, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	C4E1FF
RGB	196, 225, 255
RGB Percent	77%, 88%, 100%
CMY	0.2312, 0.1177, 0.0000
CMYK	0.23, 0.12, 0.00, 0.00
HSL	211°, 100%, 88%
HSV	211°, 23%, 100%
XYZ	67.7461, 72.8062, 105.0826
YIQ	219.7490, -26.9140, 3.1820

Conversions

Conversions Part 2

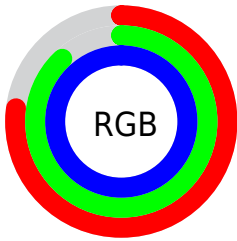
Format	Color
R_{YB}	196, 215, 255
Decimal	12902911
CIE _{Lab}	88.36, -3.17, -17.72
CIE _{LCh}	88, 18.004, 259.851
Yxy	72.8062, 0.2758, 0.2964
Android (android.graphics.Color)	4291092991 (0xFFC4E1FF)
YUV	219.7490, 17.3787, -20.8279
Hunter-Lab	85.3265, -7.5991, -13.2891

Details

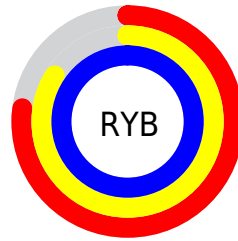
The Yxy color **72.8062, 0.2758, 0.2964** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79.6581, 0.3539, 0.3595**, and the grayscale version is **71.2827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **38.4894, 0.2673, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **62.9240, 0.2592, 0.2798**, and if you desaturate by 10%, it is **83.8085, 0.2921, 0.3115**.

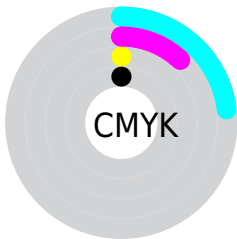
Distribution



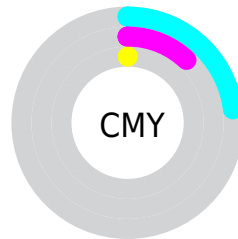
- Red (77%)
- Green (88%)
- Blue (100%)



- Red (77%)
- Yellow (84%)
- Blue (100%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.8062, 0.2758, 0.2964 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 Yxy color 72.8062, 0.2758, 0.2964 by changing the saturation by 10% instead.

■ 72.8062, 0.2758,
0.2964

■ 72.8062, 0.2758,
0.2964

470.3429, 0.2927,
0.3115

■ 53.8175, 0.2720,
0.2930

123.2020, 0.2816,
0.3016

■ 38.4558, 0.2673,
0.2888

155.3780, 0.2839,
0.3036

■ 26.3366, 0.2615,
0.2834

192.7185, 0.2859,
0.3054

■ 17.0756, 0.2539,
0.2765

235.6079, 0.2876,
0.3069

■ 10.2884, 0.2437,
0.2672

284.4307, 0.2891,
0.3083

■ 5.5906, 0.2295,
0.2539

339.5711, 0.2904,

■ 2.5978, 0.2082,

0.3095

0.2337

401.4137, 0.2916,
0.3105

■ 0.9256, 0.1733,
0.2001

■ 0.0000, 0.0000,
0.0000

■ 72.8062, 0.2758,
0.2964

■ 72.8062, 0.2758,
0.2964

■ 62.9240, 0.2592,
0.2798

■ 83.8085, 0.2921,
0.3115

■ 54.1118, 0.2427,
0.2618

■ 95.9608, 0.3079,
0.3251

■ 46.3287, 0.2269,
0.2427

■ 99.9995, 0.3127,
0.3290

■ 39.5266, 0.2121,
0.2228

■ 33.6529, 0.1991,
0.2026

■ 28.6483, 0.1882,
0.1828

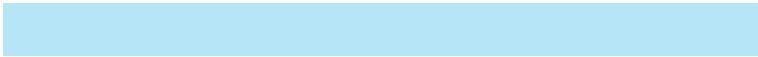
■ 24.4426, 0.1799,
0.1638

■ 21.9498, 0.1754,
0.1515

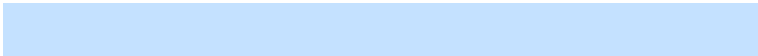
Harmonies

Analogous

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



72.8062, 0.2715, 0.3089



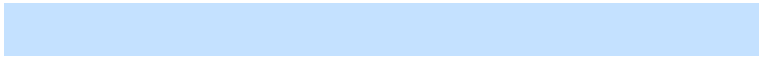
72.8062, 0.2758, 0.2964



72.8062, 0.2898, 0.2928

Triad

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



72.8062, 0.2758, 0.2964



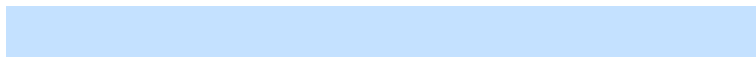
72.8062, 0.3489, 0.3286



72.8062, 0.3140, 0.3627

Complementary

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



72.8062, 0.2758, 0.2964



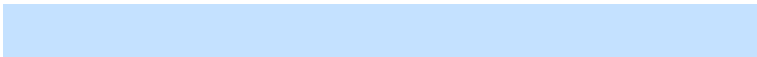
79.6581, 0.3539, 0.3595

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.



72.8062, 0.3352, 0.3674



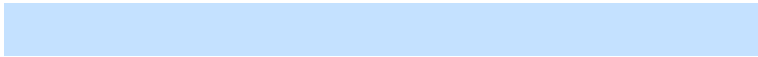
72.8062, 0.2758, 0.2964



72.8062, 0.3558, 0.3468

Square

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



72.8062, 0.2758, 0.2964



72.8062, 0.3320, 0.3111



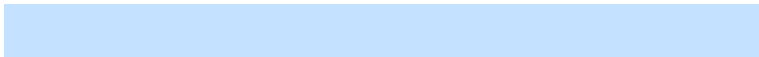
72.8062, 0.3506, 0.3612



72.8062, 0.2931, 0.3479

Rectangle

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



72.8062, 0.2758, 0.2964



72.8062, 0.3029, 0.2954



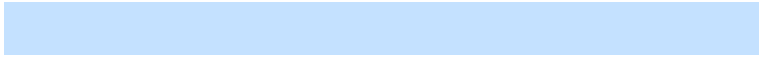
72.8062, 0.3506, 0.3612



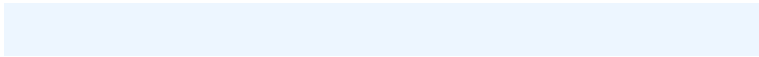
72.8062, 0.3214, 0.3655

Sweetspot

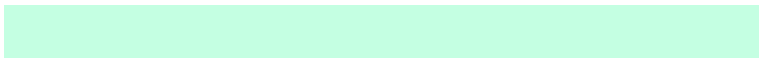
The Sweet Spot groups the original color and five complimentary colors.



72.8091, 0.2758, 0.2964



91.1118, 0.3019, 0.3200



88.7208, 0.2937, 0.3609



19.3434, 0.3009, 0.3192



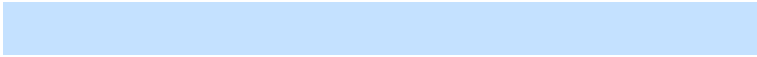
0.0000, 0.0000, 0.0000



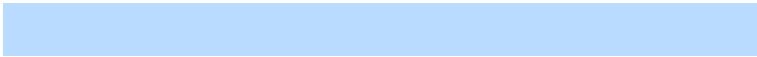
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8091, 0.2758, 0.2964



67.8524, 0.2677, 0.2885



58.4584, 0.2732, 0.2637



18.8511, 0.2979, 0.3166



11.7672, 0.1762, 0.1544



1.3637, 0.1820, 0.1752

Inverse Universe

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



66.1924, 0.3377, 0.2997



60.4722, 0.3445, 0.2932



96.7611, 0.3478, 0.3869



18.1358, 0.3217, 0.3174



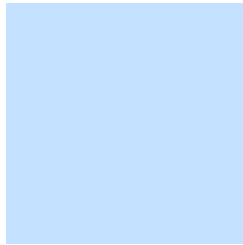
11.9159, 0.5002, 0.2529



1.1822, 0.4743, 0.2386

Previews

White Background



This preview shows how the Yxy color 72.8062, 0.2758, 0.2964 looks on a white background.

Color Contrast Check

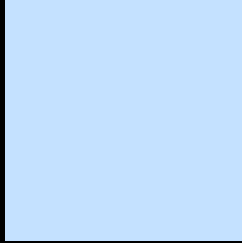
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 72.8062, 0.2758, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

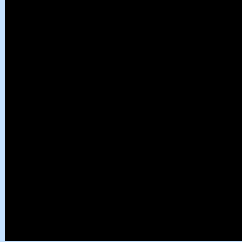
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

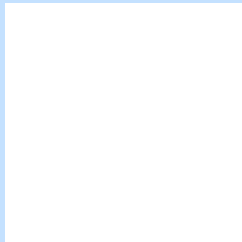
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8062, 0.2758, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 72.8062, 0.2758, 0.2964.



This preview shows how white text looks on a background with the Yxy color 72.8062, 0.2758, 0.2964.

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

72.8062, 0.2758, 0.2964

Protanopia

72.7504, 0.2904, 0.2962

Deuteranopia

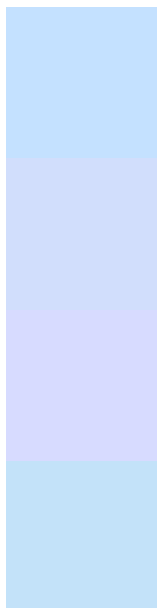
72.5005, 0.2945, 0.2886



Tritanopia

73.0001, 0.2803, 0.3091

Trichromacy



Original Color

72.8062, 0.2758, 0.2964

Protanomaly

72.8261, 0.2853, 0.2969

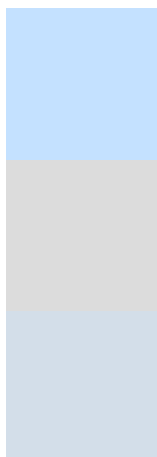
Deuteranomaly

72.3301, 0.2873, 0.2910

Tritanomaly

72.8344, 0.2786, 0.3037

Monochromacy



Original Color

72.8062, 0.2758, 0.2964

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

71.9746, 0.2981, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8062, 0.2758, 0.2964 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, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(196, 225, 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, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 225, 255) }
```

Border

The CSS property to change the border of an element to Yxy 72.8062, 0.2758, 0.2964 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, 225, 255) }
```

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

```
.border{ border-color:rgb(196, 225, 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, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(196, 225,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8062, 0.2758, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 225, 255) }
```

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

```
.background{ background-color: rgb(196,  
225, 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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