

Converting Colors

$Y_{xy}(69.5962, 0.2710, 0.2912)$

Have a look what the booklet for
Yxy(69.5962, 0.2710, 0.2912)
contains.

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Color

Yxy(69.7517, 0.2712, 0.2915)

Conversions

Conversions Part 1

Format	Color
Hex	BDDDFE
RGB	189, 221, 255
RGB Percent	74%, 87%, 100%
CMY	0.2587, 0.1333, 0.0000
CMYK	0.26, 0.13, 0.00, 0.00
HSL	211°, 100%, 87%
HSV	211°, 26%, 100%
XYZ	64.8942, 69.7517, 104.6395
YIQ	215.3080, -29.9860, 3.7900

Conversions

Conversions Part 2

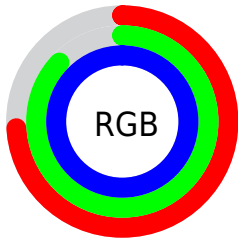
Format	Color
R _Y B	189, 211, 255
Decimal	12443135
CIE Lab	86.87, -3.15, -20.00
CIE LCh	87, 20.243, 261.049
Yxy	69.7517, 0.2712, 0.2915
Android (android.graphics.Color)	4290633215 (0xFFBDDDDFF)
YUV	215.3080, 19.5682, -23.0721
Hunter-Lab	83.5175, -7.4587, -15.8225

Details

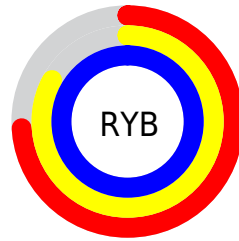
The Yxy color **69.7517, 0.2712, 0.2915** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **77.7118, 0.3596, 0.3638**, and the grayscale version is **68.0582, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **36.4180, 0.2614, 0.2828** is the 20% darker color. If you saturate the color by 10%, you get **60.1068, 0.2545, 0.2743**, and if you desaturate by 10%, it is **80.5183, 0.2877, 0.3072**.

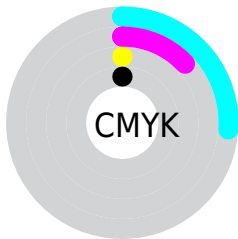
Distribution



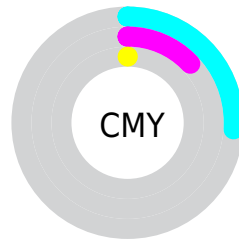
- Red (74%)
- Green (87%)
- Blue (100%)



- Red (74%)
- Yellow (83%)
- Blue (100%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (26%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.7517, 0.2712, 0.2915 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 69.7517, 0.2712, 0.2915 by changing the saturation by 10% instead.

■ 69.7517, 0.2712,
0.2915

■ 69.7517, 0.2712,
0.2915

459.6777, 0.2903,
0.3089

■ 51.3241, 0.2669,
0.2875

■ 118.8546, 0.2778,
0.2975

■ 36.4666, 0.2616,
0.2826

150.2987, 0.2804,
0.2999

■ 24.7948, 0.2549,
0.2764

186.8505, 0.2826,
0.3019

■ 15.9242, 0.2462,
0.2683

228.8943, 0.2845,
0.3037

■ 9.4706, 0.2346,
0.2574

276.8145, 0.2862,
0.3052

■ 5.0494, 0.2183,
0.2418

330.9955, 0.2877,

■ 2.2763, 0.1938,

0.3066

0.2181

391.8218, 0.2891,
0.3078

0.7611, 0.1516,
0.1784

0.0000, 0.0000,
0.0000

69.7517, 0.2712,
0.2915

69.7517, 0.2712,
0.2915

60.1068, 0.2545,
0.2743

80.5183, 0.2877,
0.3072

51.5328, 0.2381,
0.2557

92.4379, 0.3037,
0.3214

43.9870, 0.2224,
0.2361

99.9992, 0.3127,
0.3290

37.4199, 0.2080,
0.2158

■ 31.7765, 0.1954,
0.1954

■ 26.9944, 0.1852,
0.1755

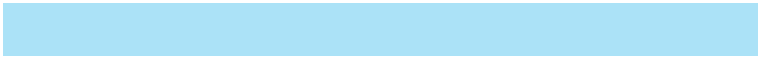
■ 22.9991, 0.1775,
0.1568

■ 21.5391, 0.1748,
0.1494

Harmonies

Analogous

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



69.7517, 0.2658, 0.3052



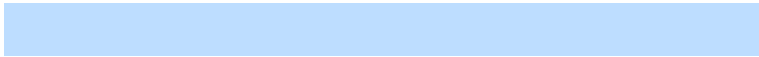
69.7517, 0.2712, 0.2915



69.7517, 0.2873, 0.2879

Triad

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



69.7517, 0.2712, 0.2915



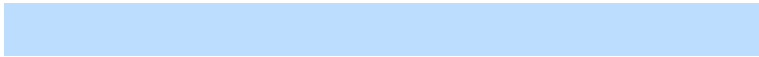
69.7517, 0.3546, 0.3292



69.7517, 0.3131, 0.3672

Complementary

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



69.7517, 0.2712, 0.2915



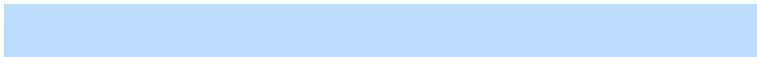
77.7118, 0.3596, 0.3638

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.



69.7517, 0.3374, 0.3730



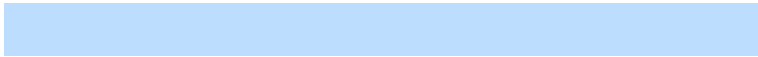
69.7517, 0.2712, 0.2915



69.7517, 0.3620, 0.3498

Square

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



69.7517, 0.2712, 0.2915



69.7517, 0.3356, 0.3093



69.7517, 0.3554, 0.3661



69.7517, 0.2894, 0.3497

Rectangle

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



69.7517, 0.2712, 0.2915



69.7517, 0.3025, 0.2913



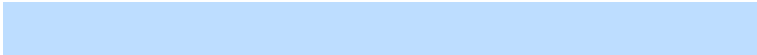
69.7517, 0.3554, 0.3661



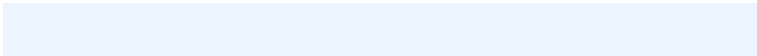
69.7517, 0.3215, 0.3705

Sweetspot

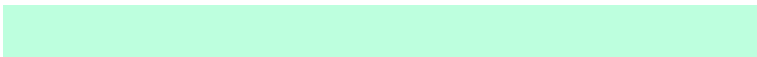
The Sweet Spot groups the original color and five complimentary colors.



69.7545, 0.2712, 0.2915



89.8108, 0.3003, 0.3185



87.6079, 0.2915, 0.3652



18.8313, 0.2979, 0.3164



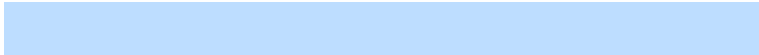
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



69.7545, 0.2712, 0.2915



64.6760, 0.2627, 0.2828



54.4448, 0.2678, 0.2547



18.8313, 0.2979, 0.3164



11.5519, 0.1757, 0.1523



1.3424, 0.1815, 0.1733

Inverse Universe

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



62.8824, 0.3418, 0.2965



57.1601, 0.3494, 0.2897



96.4450, 0.3520, 0.3939



18.1338, 0.3218, 0.3175



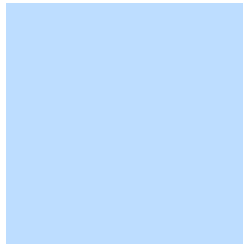
11.8941, 0.5029, 0.2544



1.1801, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 69.7517, 0.2712, 0.2915 looks on a white background.

Color Contrast Check

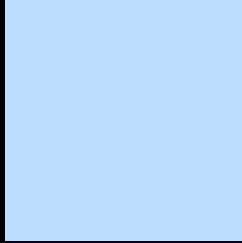
Large Text (above 18pt) WCAG AA × Fail

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 69.7517, 0.2712, 0.2915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

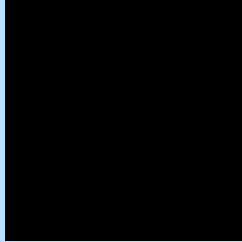
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

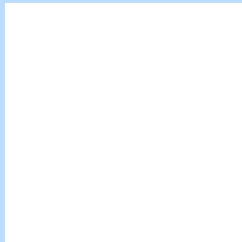
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.7517, 0.2712, 0.2915

Background



This preview shows how black text looks on a background with the Yxy color 69.7517, 0.2712, 0.2915.



This preview shows how white text looks on a background with the Yxy color 69.7517, 0.2712, 0.2915.

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

69.7517, 0.2712, 0.2915

Protanopia

69.4148, 0.2869, 0.2904

Deuteranopia

69.3670, 0.2897, 0.2838



Tritanopia

69.5653, 0.2773, 0.3086

Trichromacy



Original Color

69.7517, 0.2712, 0.2915

Protanomaly

69.3505, 0.2812, 0.2910

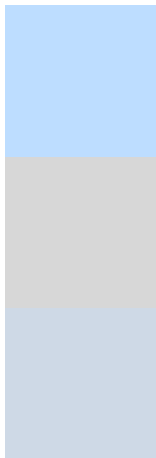
Deuteranomaly

69.2308, 0.2825, 0.2861

Tritanomaly

69.4612, 0.2750, 0.3020

Monochromacy



Original Color

69.7517, 0.2712, 0.2915

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.4607, 0.2965, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7517, 0.2712, 0.2915 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(189, 221, 255)` looks like.

```
.text, #text, p{  
    color:rgb(189, 221, 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(189, 221, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 221, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.7517, 0.2712, 0.2915 is called "border". The border property can be set on classes, ids or directly on the HTML element.

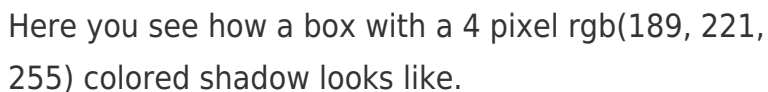
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 221, 255) }
```

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

```
.border{ border-color:rgb(189, 221, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 221, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 221, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 221, 255); box-shadow:4px 4px 4px 4px rgb(189, 221, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7517, 0.2712, 0.2915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 221, 255) }
```

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

```
.background{ background-color: rgb(189,  
221, 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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