

Converting Colors

$Y_{xy}(70.0000, 0.2671, 0.2816)$

Have a look what the booklet for
Yxy(70.0000, 0.2671, 0.2816)
contains.

Yxy(69.3535, 0.2717, 0.2904)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(69.3535, 0.2717, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	BEDCFF
RGB	190, 220, 255
RGB Percent	75%, 86%, 100%
CMY	0.2547, 0.1373, 0.0000
CMYK	0.25, 0.14, 0.00, 0.00
HSL	212°, 100%, 87%
HSV	212°, 25%, 100%
XYZ	64.8876, 69.3535, 104.5795
YIQ	215.0200, -29.1150, 4.5250

Conversions

Conversions Part 2

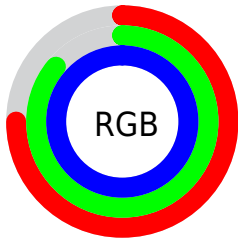
Format	Color
R_{YB}	190, 211, 255
Decimal	12508415
CIE _{Lab}	86.68, -2.32, -20.30
CIE _{LCh}	87, 20.429, 263.481
Yxy	69.3535, 0.2717, 0.2904
Android (android.graphics.Color)	4290698495 (0xFFBEDCFF)
YUV	215.0200, 19.7101, -21.9425
Hunter-Lab	83.2787, -6.6576, -16.1599

Details

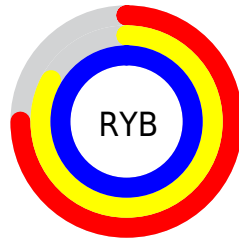
The Yxy color **69.3535, 0.2717, 0.2904** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **78.8605, 0.3583, 0.3647**, and the grayscale version is **67.8546, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5142, 0.3078, 0.3290**, and **36.1384, 0.2620, 0.2814** is the 20% darker color. If you saturate the color by 10%, you get **59.4333, 0.2548, 0.2724**, and if you desaturate by 10%, it is **80.4459, 0.2883, 0.3068**.

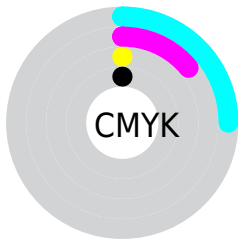
Distribution



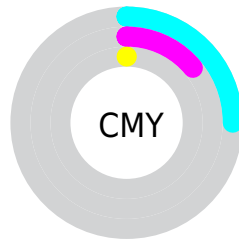
- Red (75%)
- Green (86%)
- Blue (100%)



- Red (75%)
- Yellow (83%)
- Blue (100%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.3535, 0.2717, 0.2904 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 69.3535, 0.2717, 0.2904 by changing the saturation by 10% instead.

■ 69.3535, 0.2717,
0.2904

■ 69.3535, 0.2717,
0.2904

■ 458.2768, 0.2906,
0.3083

■ 50.9997, 0.2674,
0.2863

■ 118.2863, 0.2782,
0.2966

■ 36.2083, 0.2622,
0.2813

■ 149.6341, 0.2808,
0.2990

■ 24.5951, 0.2555,
0.2749

■ 186.0820, 0.2830,
0.3011

■ 15.7757, 0.2469,
0.2666

■ 228.0144, 0.2849,
0.3029

■ 9.3656, 0.2354,
0.2554

■ 275.8157, 0.2866,
0.3045

■ 4.9804, 0.2191,
0.2395

■ 329.8702, 0.2881,

■ 2.2358, 0.1947,

0.3059

0.2153

390.5624, 0.2894,
0.3072

0.7394, 0.1525,
0.1745

0.0000, 0.0000,
0.0000

69.3535, 0.2717,
0.2904

69.3535, 0.2717,
0.2904

59.4333, 0.2548,
0.2724

80.4459, 0.2883,
0.3068

50.6343, 0.2381,
0.2530

92.7450, 0.3043,
0.3216

42.9115, 0.2221,
0.2324

100.0000, 0.3127,
0.3290

36.2133, 0.2072,
0.2112

■ 30.4830, 0.1943,
0.1899

■ 25.6562, 0.1836,
0.1693

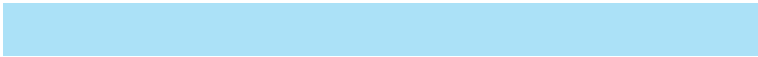
■ 21.6563, 0.1756,
0.1499

■ 20.0736, 0.1727,
0.1416

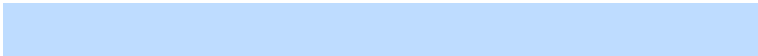
Harmonies

Analogous

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



69.3535, 0.2653, 0.3035



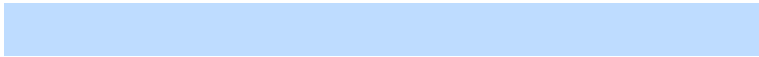
69.3535, 0.2717, 0.2904



69.3535, 0.2888, 0.2877

Triad

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



69.3535, 0.2717, 0.2904



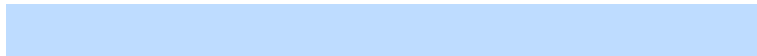
69.3535, 0.3562, 0.3309



69.3535, 0.3110, 0.3666

Complementary

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



69.3535, 0.2717, 0.2904



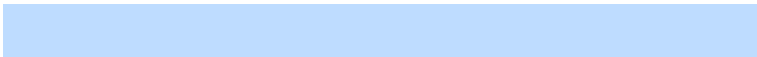
78.8605, 0.3583, 0.3647

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.



69.3535, 0.3358, 0.3735



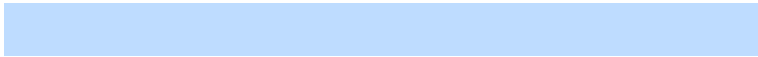
69.3535, 0.2717, 0.2904



69.3535, 0.3625, 0.3516

Square

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



69.3535, 0.2717, 0.2904



69.3535, 0.3377, 0.3106



69.3535, 0.3548, 0.3675



69.3535, 0.2874, 0.3482

Rectangle

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



69.3535, 0.2717, 0.2904



69.3535, 0.3044, 0.2916



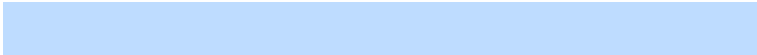
69.3535, 0.3548, 0.3675



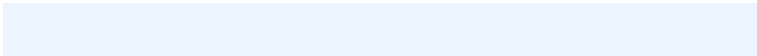
69.3535, 0.3195, 0.3703

Sweetspot

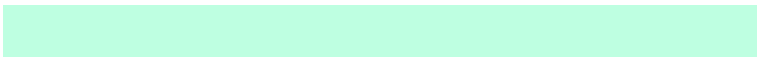
The Sweet Spot groups the original color and five complimentary colors.



69.3558, 0.2717, 0.2904



89.5184, 0.3003, 0.3180



87.8927, 0.2907, 0.3621



18.7578, 0.2979, 0.3158



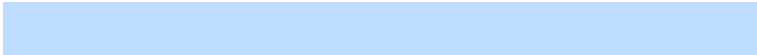
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



69.3558, 0.2717, 0.2904



63.7283, 0.2624, 0.2806



55.3022, 0.2700, 0.2563



18.7578, 0.2979, 0.3158



10.7800, 0.1735, 0.1446



1.2653, 0.1795, 0.1661

Inverse Universe

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



63.2748, 0.3424, 0.2985



57.0644, 0.3510, 0.2916



96.0915, 0.3499, 0.3932



18.1264, 0.3221, 0.3181



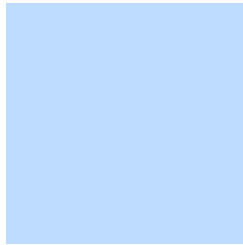
11.8162, 0.5130, 0.2600



1.1723, 0.4855, 0.2448

Previews

White Background



This preview shows how the Yxy color 69.3535, 0.2717, 0.2904 looks on a white background.

Color Contrast Check

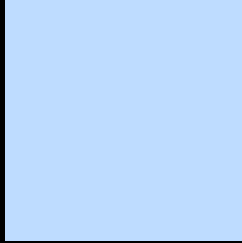
Large Text (above 18pt) WCAG AA × Fail

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 69.3535, 0.2717, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

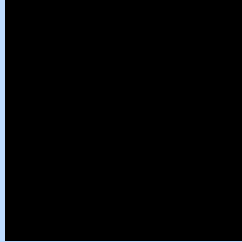
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

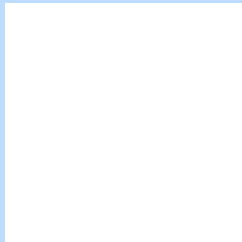
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.3535, 0.2717, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 69.3535, 0.2717, 0.2904.



This preview shows how white text looks on a background with the Yxy color 69.3535, 0.2717, 0.2904.

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

69.3535, 0.2717, 0.2904

Protanopia

69.3308, 0.2856, 0.2893

Deuteranopia

69.2124, 0.2890, 0.2837



Tritanopia

69.0986, 0.2784, 0.3086

Trichromacy



Original Color

69.3535, 0.2717, 0.2904

Protanomaly

69.4141, 0.2806, 0.2900

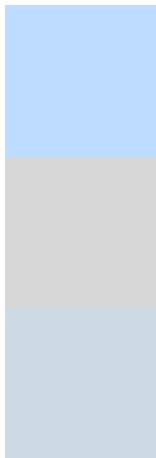
Deuteranomaly

69.2308, 0.2825, 0.2861

Tritanomaly

68.9968, 0.2761, 0.3020

Monochromacy



Original Color

69.3535, 0.2717, 0.2904

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 69.3535, 0.2717, 0.2904 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(190, 220, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 220, 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(190, 220, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 220, 255) }
```

Border

The CSS property to change the border of an element to Yxy 69.3535, 0.2717, 0.2904 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(190, 220, 255) }
```

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

```
.border{ border-color:rgb(190, 220, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 220, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 220, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 220, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 220,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3535, 0.2717, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 220, 255) }
```

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

```
.background{ background-color: rgb(190,  
220, 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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