

Converting Colors

$Yxy(63.2679, 0.2489, 0.2987)$

Have a look what the booklet for
Yxy(63.2679, 0.2489, 0.2987)
contains.

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Color

Yxy(63.2679, 0.2489, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	8BDCF5
RGB	139, 220, 245
RGB Percent	55%, 86%, 96%
CMY	0.4550, 0.1372, 0.0392
CMYK	0.43, 0.10, 0.00, 0.04
HSL	194°, 84%, 75%
HSV	194°, 43%, 96%
XYZ	52.7197, 63.2679, 95.8232
YIQ	198.6310, -56.3010, -9.3970

Conversions

Conversions Part 2

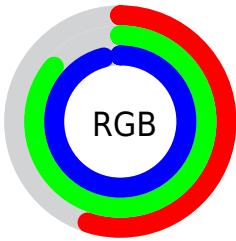
Format	Color
RYB	139, 185, 245
Decimal	9166069
CIELab	83.58, -18.42, -19.97
CIElCh	84, 27.165, 227.305
Yxy	63.2679, 0.2489, 0.2987
Android (android.graphics.Color)	4287356149 (0xFF8BDCF5)
YUV	198.6310, 22.8599, -52.2964
Hunter-Lab	79.5411, -20.8875, -15.7479

Details

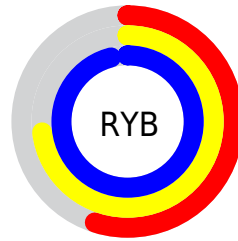
The Yxy color **63.2679, 0.2489, 0.2987** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.8209, 0.4144, 0.3565**, and the grayscale version is **56.7587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **32.3337, 0.2337, 0.2903** is the 20% darker color. If you saturate the color by 10%, you get **58.4123, 0.2366, 0.2904**, and if you desaturate by 10%, it is **68.7056, 0.2625, 0.3066**.

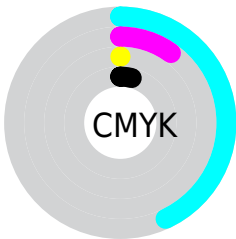
Distribution



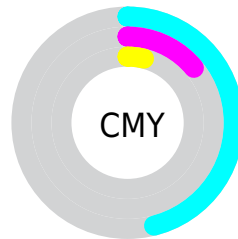
- Red (55%)
- Green (86%)
- Blue (96%)



- Red (55%)
- Yellow (73%)
- Blue (96%)



- Cyan (43%)
- Magenta (10%)
- Yellow (0%)
- Black (4%)



- Cyan (46%)
- Magenta (14%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.2679, 0.2489, 0.2987 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 63.2679, 0.2489, 0.2987 by changing the saturation by 10% instead.


 63.2679, 0.2489,
0.2987


 63.2679, 0.2489,
0.2987


436.5411, 0.2784,
0.3136

 46.0580, 0.2422,
0.2951


 109.5559, 0.2591,
0.3040

 32.2916, 0.2340,
0.2905


 139.4028, 0.2631,
0.3061

 21.5843, 0.2237,
0.2846


174.2308, 0.2665,
0.3078

 13.5518, 0.2103,
0.2766

214.4243, 0.2695,
0.3093

 7.8096, 0.1924,
0.2653

260.3676, 0.2721,
0.3106

 3.9733, 0.1676,
0.2484

312.4453, 0.2745,

 1.6587, 0.1314,

0.3117

0.2208

371.0417, 0.2765,
0.3127

0.3967, 0.0000,
0.1582

0.0000, 0.0000,
0.0000

63.2679, 0.2489,
0.2987

63.2679, 0.2489,
0.2987

58.4123, 0.2366,
0.2904

68.7056, 0.2625,
0.3066

54.0987, 0.2258,
0.2817

74.7483, 0.2771,
0.3140

50.2923, 0.2169,
0.2729

81.4259, 0.2922,
0.3209

46.9508, 0.2100,
0.2641

88.7644, 0.3076,
0.3271

■ 44.0224, 0.2051,
0.2553

■ 95.5372, 0.3189,
0.3328

■ 42.2343, 0.2026,
0.2495

■ 99.1614, 0.3185,
0.3383

■ 99.3729, 0.3185,
0.3386

Harmonies

Analogous

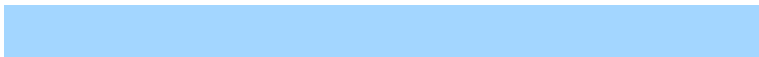
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



63.2679, 0.2595, 0.3291



63.2679, 0.2489, 0.2987



63.2679, 0.2541, 0.2788

Triad

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



63.2679, 0.2489, 0.2987



63.2679, 0.3402, 0.2990



63.2679, 0.3502, 0.3900

Complementary

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



63.2679, 0.2489, 0.2987



47.8209, 0.4144, 0.3565

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.



63.2679, 0.3740, 0.3775



63.2679, 0.2489, 0.2987



63.2679, 0.3685, 0.3251

Square

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



63.2679, 0.2489, 0.2987



63.2679, 0.3054, 0.2803



63.2679, 0.3810, 0.3534



63.2679, 0.3171, 0.3848

Rectangle

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



63.2679, 0.2489, 0.2987



63.2679, 0.2660, 0.2732



63.2679, 0.3810, 0.3534



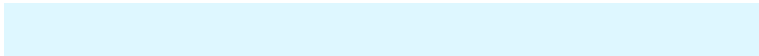
63.2679, 0.3596, 0.3876

Sweetspot

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



63.2703, 0.2489, 0.2987



89.3599, 0.2926, 0.3210



73.4661, 0.2940, 0.4322



18.7665, 0.2892, 0.3196



0.0000, 0.0000, 0.0000



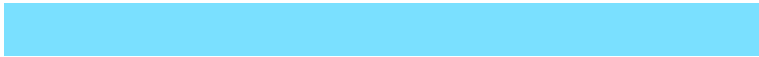
21.4041, 0.3127, 0.3290

Same Dimension

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



63.2703, 0.2489, 0.2987



64.5558, 0.2379, 0.2914



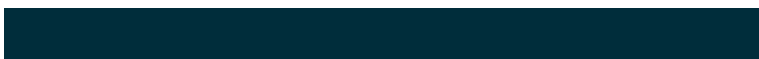
39.8110, 0.2373, 0.2305



18.0567, 0.2980, 0.3233



22.9746, 0.2030, 0.2509



2.1753, 0.2061, 0.2619

Inverse Universe

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



43.0410, 0.3404, 0.2449



40.6449, 0.3479, 0.2293



70.7651, 0.3891, 0.4105



16.6975, 0.3174, 0.3111



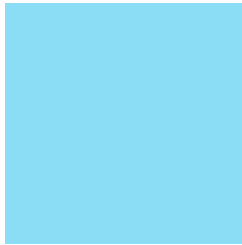
12.4187, 0.3913, 0.1929



1.1072, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 63.2679, 0.2489, 0.2987 looks on a white background.

Color Contrast Check

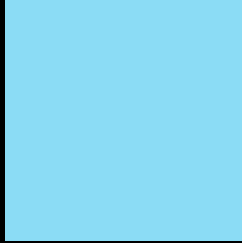
Large Text (above 18pt) WCAG AA × Fail

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 63.2679, 0.2489, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

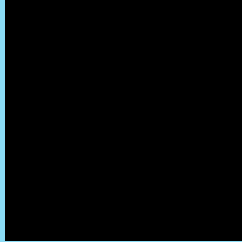
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.2679, 0.2489, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 63.2679, 0.2489, 0.2987.



This preview shows how white text looks on a background with the Yxy color 63.2679, 0.2489, 0.2987.

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

63.2679, 0.2489, 0.2987

Protanopia

62.8953, 0.2904, 0.2953

Deuteranopia

62.8168, 0.2848, 0.2787



Tritanopia

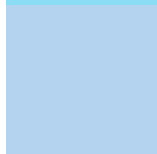
63.2633, 0.2510, 0.3069

Trichromacy



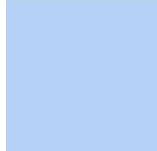
Original Color

63.2679, 0.2489, 0.2987



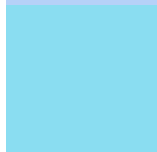
Protanomaly

62.5238, 0.2736, 0.2964



Deuteranomaly

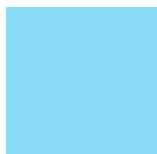
62.3233, 0.2695, 0.2845



Tritanomaly

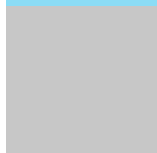
63.4671, 0.2506, 0.3045

Monochromacy



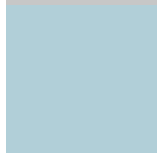
Original Color

63.2679, 0.2489, 0.2987



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

58.9306, 0.2851, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2679, 0.2489, 0.2987 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(139, 220, 245)` looks like.

```
.text, #text, p{  
    color:rgb(139, 220, 245)  
}
```

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(139, 220, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 220, 245) }
```

Border

The CSS property to change the border of an element to Yxy 63.2679, 0.2489, 0.2987 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(139, 220, 245) }
```

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

```
.border{ border-color:rgb(139, 220, 245) }
```

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

Here you see how a box with a 4 pixel rgb(139, 220, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 220, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 220, 245);  
box-shadow:4px 4px 4px 4px rgb(139, 220,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2679, 0.2489, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 220, 245) }
```

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

```
.background{ background-color: rgb(139,  
220, 245) }
```

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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