

Converting Colors

$Y_{xy}(48.5778, 0.2772, 0.3070)$

Have a look what the booklet for
Yxy(48.5778, 0.2772, 0.3070)
contains.

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Color

Yxy(48.7028, 0.2769, 0.3067)

Conversions

Conversions Part 1

Format	Color
Hex	9FBECF
RGB	159, 190, 207
RGB Percent	62%, 75%, 81%
CMY	0.3766, 0.2549, 0.1882
CMYK	0.23, 0.08, 0.00, 0.19
HSL	201°, 33%, 72%
HSV	201°, 23%, 81%
XYZ	43.9707, 48.7028, 66.1227
YIQ	182.6690, -23.9330, -1.2850

Conversions

Conversions Part 2

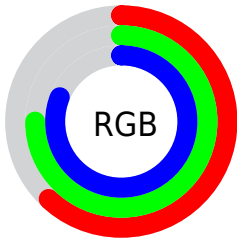
Format	Color
R _Y B	159, 178, 207
Decimal	10469071
CIE Lab	75.27, -6.68, -12.01
CIE LCh	75, 13.746, 240.902
Yxy	48.7028, 0.2769, 0.3067
Android (android.graphics.Color)	4288659151 (0xFF9FBECF)
YUV	182.6690, 11.9952, -20.7577
Hunter-Lab	69.7874, -9.6611, -7.3254

Details

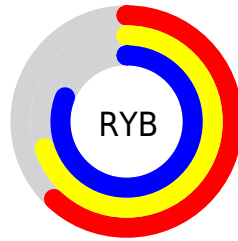
The Yxy color **48.7028, 0.2769, 0.3067** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.8108, 0.3555, 0.3503**, and the grayscale version is **47.1047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4277, 0.2879, 0.3197**, and **23.3170, 0.2674, 0.3004** is the 20% darker color. If you saturate the color by 10%, you get **43.6682, 0.2616, 0.2955**, and if you desaturate by 10%, it is **54.2554, 0.2924, 0.3169**.

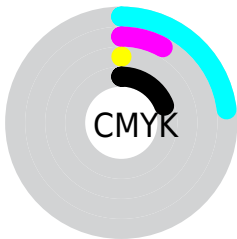
Distribution



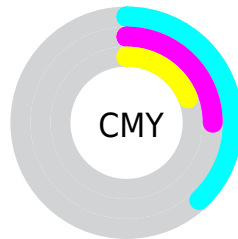
- Red (62%)
- Green (75%)
- Blue (81%)



- Red (62%)
- Yellow (70%)
- Blue (81%)



- Cyan (23%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7028, 0.2769, 0.3067 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 48.7028, 0.2769, 0.3067 by changing the saturation by 10% instead.

■ 48.7028, 0.2769,
0.3067

■ 48.7028, 0.2769,
0.3067

■ 381.5711, 0.2945,
0.3179

■ 34.3838, 0.2726,
0.3039

■ 88.2499, 0.2832,
0.3108

■ 23.1886, 0.2672,
0.3003

■ 114.2467, 0.2856,
0.3123

■ 14.7328, 0.2601,
0.2955

■ 144.9050, 0.2876,
0.3136

■ 8.6321, 0.2503,
0.2888

■ 180.6091, 0.2894,
0.3147

■ 4.5020, 0.2363,
0.2789

■ 221.7433, 0.2909,
0.3157

■ 1.9581, 0.2143,
0.2627

■ 268.6921, 0.2922,

■ 0.5830, 0.1537,

0.3165

0.2292

321.8399, 0.2934,
0.3173

0.0000, 0.0000,
0.0000

48.7028, 0.2769,
0.3067

48.7028, 0.2769,
0.3067

43.6682, 0.2616,
0.2955

54.2554, 0.2924,
0.3169

39.1256, 0.2469,
0.2835

60.3386, 0.3078,
0.3262

35.0555, 0.2332,
0.2708

66.9722, 0.3229,
0.3346

31.4344, 0.2208,
0.2575

74.1726, 0.3376,
0.3420

28.2362, 0.2101,
0.2439

80.5100, 0.3461,
0.3489

■ 25.4311, 0.2013,
0.2303

■ 84.5955, 0.3448,
0.3561

■ 22.9838, 0.1947,
0.2168

■ 88.8537, 0.3435,
0.3632

■ 21.4849, 0.1911,
0.2078

■ 93.2864, 0.3423,
0.3701

■ 97.2857, 0.3412,
0.3760

Harmonies

Analogous

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



48.7028, 0.2790, 0.3216



48.7028, 0.2769, 0.3067



48.7028, 0.2840, 0.2983

Triad

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



48.7028, 0.2769, 0.3067



48.7028, 0.3358, 0.3187



48.7028, 0.3259, 0.3620

Complementary

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



48.7028, 0.2769, 0.3067



46.8108, 0.3555, 0.3503

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.



48.7028, 0.3417, 0.3602



48.7028, 0.2769, 0.3067



48.7028, 0.3477, 0.3347

Square

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



48.7028, 0.2769, 0.3067



48.7028, 0.3177, 0.3055



48.7028, 0.3498, 0.3499



48.7028, 0.3069, 0.3544

Rectangle

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



48.7028, 0.2769, 0.3067



48.7028, 0.2932, 0.2972



48.7028, 0.3498, 0.3499



48.7028, 0.3318, 0.3625

Sweetspot

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



48.7048, 0.2769, 0.3067



92.8054, 0.3019, 0.3227



55.1266, 0.2985, 0.3704



19.7358, 0.3009, 0.3222



0.0000, 0.0000, 0.0000



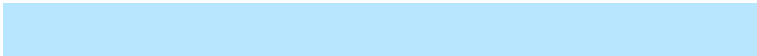
21.4041, 0.3127, 0.3290

Same Dimension

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



48.7048, 0.2769, 0.3067



73.8036, 0.2690, 0.3011



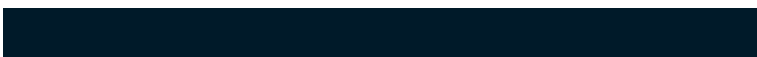
39.2108, 0.2743, 0.2742



12.6736, 0.2983, 0.3206



13.7184, 0.1916, 0.2097



0.9135, 0.1984, 0.2341

Inverse Universe

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



41.7720, 0.3305, 0.2911



61.0730, 0.3355, 0.2824



56.9891, 0.3493, 0.3784



11.9350, 0.3191, 0.3141



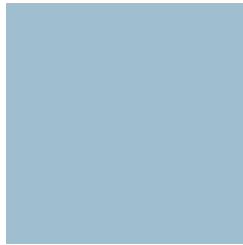
9.4561, 0.4345, 0.2167



0.5435, 0.4084, 0.2023

Previews

White Background



This preview shows how the Yxy color 48.7028, 0.2769, 0.3067 looks on a white background.

Color Contrast Check

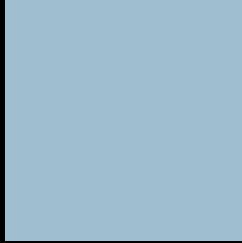
Large Text (above 18pt) WCAG AA × Fail

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 48.7028, 0.2769, 0.3067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

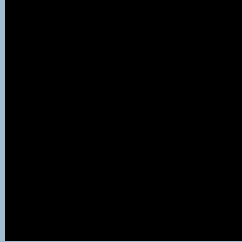
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

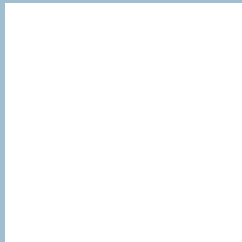
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.7028, 0.2769, 0.3067

Background



This preview shows how black text looks on a background with the Yxy color 48.7028, 0.2769, 0.3067.



This preview shows how white text looks on a background with the Yxy color 48.7028, 0.2769, 0.3067.

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

48.7028, 0.2769, 0.3067

Protanopia

48.6601, 0.2975, 0.3051

Deuteranopia

48.4524, 0.3003, 0.2935



Tritanopia

48.6056, 0.2782, 0.3093

Trichromacy



Original Color

48.7028, 0.2769, 0.3067

Protanomaly

48.4761, 0.2898, 0.3059

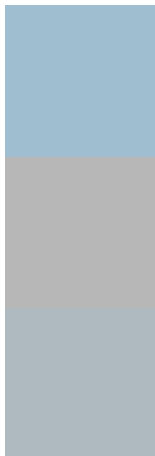
Deuteranomaly

48.5383, 0.2915, 0.2988

Tritanomaly

48.6541, 0.2776, 0.3080

Monochromacy



Original Color

48.7028, 0.2769, 0.3067

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.9223, 0.2984, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.7028, 0.2769, 0.3067 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(159, 190, 207)` looks like.

```
.text, #text, p{  
    color:rgb(159, 190, 207)  
}
```

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(159, 190, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 190, 207) }
```

Border

The CSS property to change the border of an element to Yxy 48.7028, 0.2769, 0.3067 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(159, 190, 207) }
```

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

```
.border{ border-color:rgb(159, 190, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 190, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 190, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 190, 207);  
box-shadow:4px 4px 4px 4px rgb(159, 190,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 48.7028, 0.2769, 0.3067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 190, 207) }
```

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

```
.background{ background-color: rgb(159,  
190, 207) }
```

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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