

Converting Colors

$Yxy(48.6623, 0.2677, 0.2967)$

Have a look what the booklet for
Yxy(48.6623, 0.2677, 0.2967)
contains.

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Color

Yxy(48.5055, 0.2677, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	99BED7
RGB	153, 190, 215
RGB Percent	60%, 75%, 84%
CMY	0.4002, 0.2548, 0.1569
CMYK	0.29, 0.12, 0.00, 0.16
HSL	204°, 44%, 72%
HSV	204°, 29%, 84%
XYZ	43.8088, 48.5055, 71.3345
YIQ	181.7870, -30.0770, -0.0690

Conversions

Conversions Part 2

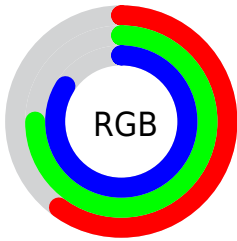
Format	Color
R _{YB}	153, 176, 215
Decimal	10075863
CIE Lab	75.14, -6.63, -16.56
CIE LCh	75, 17.838, 248.189
Yxy	48.5055, 0.2677, 0.2964
Android (android.graphics.Color)	4288265943 (0xFF99BED7)
YUV	181.7870, 16.3740, -25.2462
Hunter-Lab	69.6459, -9.5999, -11.9754

Details

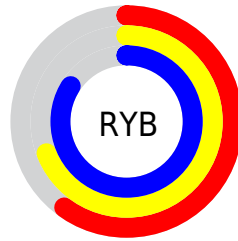
The Yxy color **48.5055, 0.2677, 0.2964** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **48.5583, 0.3677, 0.3594**, and the grayscale version is **46.5756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5414, 0.2844, 0.3196**, and **23.1387, 0.2558, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **42.9618, 0.2522, 0.2830**, and if you desaturate by 10%, it is **54.6526, 0.2834, 0.3088**.

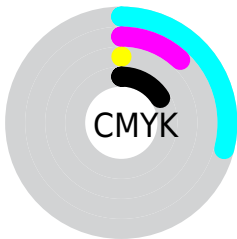
Distribution



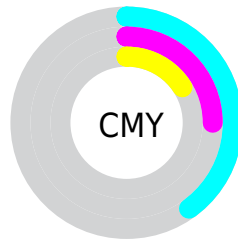
- Red (60%)
- Green (75%)
- Blue (84%)



- Red (60%)
- Yellow (69%)
- Blue (84%)



- Cyan (29%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)





- Cyan (40%)
- Magenta (25%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5055, 0.2677, 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 48.5055, 0.2677, 0.2964 by changing the saturation by 10% instead.


 48.5055, 0.2677,
0.2964


 48.5055, 0.2677,
0.2964


380.7923, 0.2897,
0.3127

 34.2274, 0.2624,
0.2924


 87.9566, 0.2756,
0.3023

 23.0683, 0.2556,
0.2872

 113.8983, 0.2786,
0.3045

 14.6440, 0.2468,
0.2803


144.4967, 0.2811,
0.3064

 8.5699, 0.2349,
0.2708

180.1361, 0.2833,
0.3080

 4.4617, 0.2179,
0.2570

221.2010, 0.2852,
0.3094

 1.9351, 0.1919,
0.2350

268.0758, 0.2869,

 0.5693, 0.1274,

0.3107

0.1913

321.1447, 0.2884,
0.3117

0.0000, 0.0000,
0.0000

48.5055, 0.2677,
0.2964

48.5055, 0.2677,
0.2964

42.9618, 0.2522,
0.2830

54.6526, 0.2834,
0.3088

37.9917, 0.2374,
0.2687

61.4197, 0.2991,
0.3200

33.5710, 0.2237,
0.2536

68.8300, 0.3145,
0.3301

29.6710, 0.2115,
0.2380

76.9035, 0.3293,
0.3391

26.2596, 0.2012,
0.2223

84.6098, 0.3396,
0.3473

■ 23.2994, 0.1929,
0.2068

■ 89.6398, 0.3383,
0.3558

■ 20.7341, 0.1868,
0.1917

■ 94.9135, 0.3370,
0.3640

■ 20.4565, 0.1861,
0.1900

■ 97.6857, 0.3364,
0.3681

Harmonies

Analogous

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



48.5055, 0.2674, 0.3138



48.5055, 0.2677, 0.2964



48.5055, 0.2794, 0.2884

Triad

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



48.5055, 0.2677, 0.2964



48.5055, 0.3474, 0.3204



48.5055, 0.3238, 0.3710

Complementary

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



48.5055, 0.2677, 0.2964



48.5583, 0.3677, 0.3594

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.



48.5055, 0.3461, 0.3712



48.5055, 0.2677, 0.2964



48.5055, 0.3602, 0.3412

Square

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



48.5055, 0.2677, 0.2964



48.5055, 0.3252, 0.3023



48.5055, 0.3596, 0.3598



48.5055, 0.2992, 0.3582

Rectangle

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



48.5055, 0.2677, 0.2964



48.5055, 0.2926, 0.2888



48.5055, 0.3596, 0.3598



48.5055, 0.3318, 0.3725

Sweetspot

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



48.5074, 0.2677, 0.2964



90.1498, 0.2987, 0.3197



58.5684, 0.2933, 0.3781



18.9707, 0.2964, 0.3182



0.0000, 0.0000, 0.0000



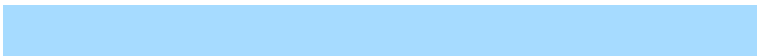
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5074, 0.2677, 0.2964



65.9977, 0.2576, 0.2878



36.5267, 0.2632, 0.2542



13.2300, 0.2982, 0.3194



12.4497, 0.1867, 0.1922



0.9112, 0.1940, 0.2183

Inverse Universe

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



40.9332, 0.3389, 0.2849



53.5596, 0.3468, 0.2746



62.2394, 0.3579, 0.3941



12.5441, 0.3199, 0.3152



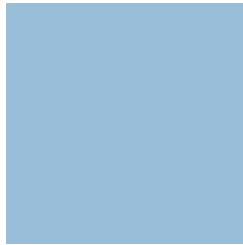
9.6017, 0.4542, 0.2276



0.5953, 0.4250, 0.2115

Previews

White Background



This preview shows how the Yxy color 48.5055, 0.2677, 0.2964 looks on a white background.

Color Contrast Check

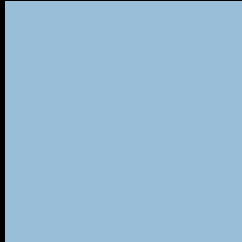
Large Text (above 18pt) WCAG AA × Fail

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 48.5055, 0.2677, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

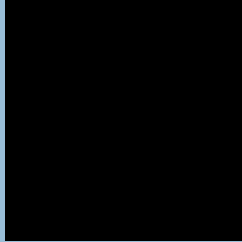
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

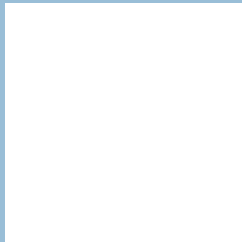
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.5055, 0.2677, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 48.5055, 0.2677, 0.2964.



This preview shows how white text looks on a background with the Yxy color 48.5055, 0.2677, 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

48.5055, 0.2677, 0.2964

Protanopia

48.2234, 0.2900, 0.2951

Deuteranopia

48.2171, 0.2904, 0.2838



Tritanopia

48.3459, 0.2715, 0.3077

Trichromacy



Original Color

48.5055, 0.2677, 0.2964

Protanomaly

48.4173, 0.2812, 0.2959

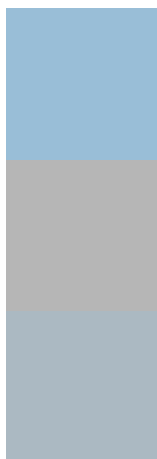
Deuteranomaly

48.3528, 0.2821, 0.2889

Tritanomaly

48.5901, 0.2703, 0.3039

Monochromacy



Original Color

48.5055, 0.2677, 0.2964

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.2509, 0.2945, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5055, 0.2677, 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(153, 190, 215)` looks like.

```
.text, #text, p{  
    color:rgb(153, 190, 215)  
}
```

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(153, 190, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 190, 215) }
```

Border

The CSS property to change the border of an element to Yxy 48.5055, 0.2677, 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(153, 190, 215) }
```

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

```
.border{ border-color:rgb(153, 190, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 190, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 190, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 190, 215);  
box-shadow:4px 4px 4px 4px rgb(153, 190,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5055, 0.2677, 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(153, 190, 215) }
```

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

```
.background{ background-color: rgb(153,  
190, 215) }
```

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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