

Converting Colors

$Y_{xy}(48.2436, 0.2726, 0.3092)$

Have a look what the booklet for
Yxy(48.2436, 0.2726, 0.3092)
contains.

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Color

Yxy(48.2971, 0.2721, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	97BFCE
RGB	151, 191, 206
RGB Percent	59%, 75%, 81%
CMY	0.4080, 0.2509, 0.1921
CMYK	0.27, 0.07, 0.00, 0.19
HSL	196°, 36%, 70%
HSV	196°, 27%, 81%
XYZ	42.5296, 48.2971, 65.4746
YIQ	180.7500, -28.6550, -3.8150

Conversions

Conversions Part 2

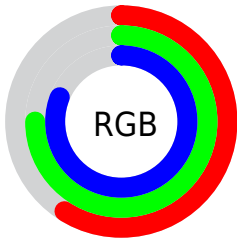
Format	Color
R _Y B	151, 174, 206
Decimal	9945038
CIE Lab	75.01, -9.86, -11.89
CIE LCh	75, 15.450, 230.339
Yxy	48.2971, 0.2721, 0.3090
Android (android.graphics.Color)	4288135118 (0xFF97BFCE)
YUV	180.7500, 12.4482, -26.0907
Hunter-Lab	69.4961, -12.3814, -7.2118

Details

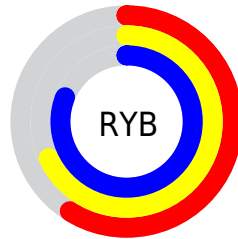
The Yxy color **48.2971, 0.2721, 0.3090** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.6147, 0.3649, 0.3481**, and the grayscale version is **46.0076, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8633, 0.2833, 0.3206**, and **23.0406, 0.2606, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **44.0963, 0.2577, 0.3003**, and if you desaturate by 10%, it is **52.9399, 0.2871, 0.3171**.

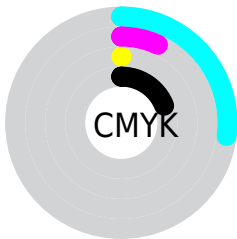
Distribution



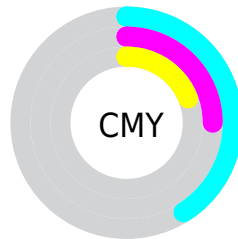
- Red (59%)
- Green (75%)
- Blue (81%)



- Red (59%)
- Yellow (68%)
- Blue (81%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (19%)



- Cyan (41%)
- Magenta (25%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2971, 0.2721, 0.3090 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 48.2971, 0.2721, 0.3090 by changing the saturation by 10% instead.

■ 48.2971, 0.2721,
0.3090

■ 48.2971, 0.2721,
0.3090

379.9686, 0.2920,
0.3192

■ 34.0622, 0.2673,
0.3064

■ 87.6466, 0.2792,
0.3127

■ 22.9414, 0.2611,
0.3031

■ 113.5300, 0.2820,
0.3141

■ 14.5502, 0.2531,
0.2986

144.0650, 0.2843,
0.3153

■ 8.5044, 0.2421,
0.2923

179.6361, 0.2862,
0.3163

■ 4.4193, 0.2263,
0.2828

220.6276, 0.2880,
0.3172

■ 1.9108, 0.2017,
0.2671

267.4239, 0.2895,

■ 0.5549, 0.1216,

0.3179

0.2353

320.4094, 0.2908,
0.3186

0.0000, 0.0000,
0.0000

48.2971, 0.2721,
0.3090

48.2971, 0.2721,
0.3090

44.0963, 0.2577,
0.3003

52.9399, 0.2871,
0.3171

40.3128, 0.2441,
0.2910

58.0366, 0.3024,
0.3244

36.9280, 0.2319,
0.2813

63.6056, 0.3177,
0.3311

33.9190, 0.2212,
0.2712

69.6625, 0.3328,
0.3371

31.2605, 0.2124,
0.2610

76.2223, 0.3475,
0.3424

■ 28.9227, 0.2056,
0.2507

■ 79.3960, 0.3472,
0.3480

■ 26.8674, 0.2007,
0.2406

■ 82.4749, 0.3462,
0.3535

■ 26.2313, 0.1993,
0.2373

■ 85.6544, 0.3452,
0.3590

■ 88.9355, 0.3441,
0.3644

Harmonies

Analogous

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



48.2971, 0.2780, 0.3275



48.2971, 0.2721, 0.3090



48.2971, 0.2765, 0.2968

Triad

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



48.2971, 0.2721, 0.3090



48.2971, 0.3320, 0.3116



48.2971, 0.3345, 0.3668

Complementary

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



48.2971, 0.2721, 0.3090



42.6147, 0.3649, 0.3481

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.



48.2971, 0.3499, 0.3609



48.2971, 0.2721, 0.3090



48.2971, 0.3485, 0.3289

Square

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



48.2971, 0.2721, 0.3090



48.2971, 0.3106, 0.2988



48.2971, 0.3551, 0.3468



48.2971, 0.3137, 0.3620

Rectangle

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



48.2971, 0.2721, 0.3090



48.2971, 0.2849, 0.2935



48.2971, 0.3551, 0.3468



48.2971, 0.3405, 0.3660

Sweetspot

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



48.2990, 0.2721, 0.3090



92.8393, 0.3003, 0.3235



53.4609, 0.2995, 0.3841



19.5952, 0.2980, 0.3224



0.0000, 0.0000, 0.0000



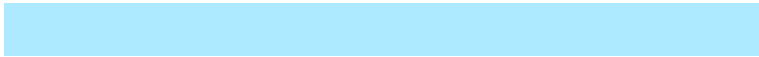
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2990, 0.2721, 0.3090



74.2973, 0.2638, 0.3041



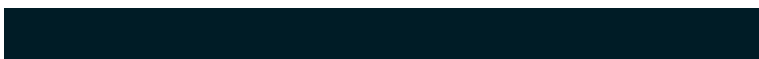
37.5162, 0.2685, 0.2712



12.1900, 0.2983, 0.3225



16.3203, 0.1997, 0.2388



0.9640, 0.2051, 0.2585

Inverse Universe

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



39.0079, 0.3296, 0.2800



57.1708, 0.3341, 0.2693



53.5674, 0.3565, 0.3808



11.3496, 0.3179, 0.3123



9.4505, 0.4036, 0.1997



0.4999, 0.3839, 0.1889

Previews

White Background



This preview shows how the Yxy color 48.2971, 0.2721, 0.3090 looks on a white background.

Color Contrast Check

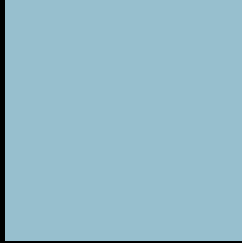
Large Text (above 18pt) WCAG AA × Fail

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 48.2971, 0.2721, 0.3090 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 48.2971, 0.2721, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 48.2971, 0.2721, 0.3090.



This preview shows how white text looks on a background with the Yxy color 48.2971, 0.2721, 0.3090.

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

48.2971, 0.2721, 0.3090

Protanopia

48.1513, 0.2990, 0.3062

Deuteranopia

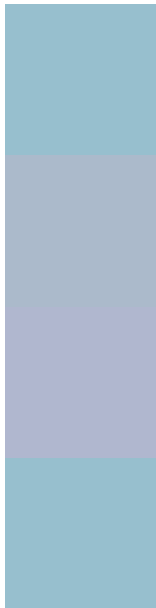
47.8706, 0.3002, 0.2933



Tritanopia

48.2971, 0.2721, 0.3090

Trichromacy



Original Color

48.2971, 0.2721, 0.3090

Protanomaly

48.0875, 0.2882, 0.3070

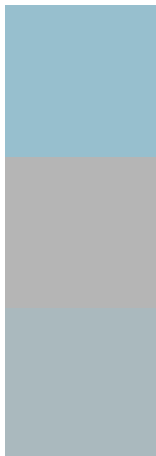
Deuteranomaly

47.6021, 0.2890, 0.2985

Tritanomaly

48.2971, 0.2721, 0.3090

Monochromacy



Original Color

48.2971, 0.2721, 0.3090

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.9617, 0.2967, 0.3224

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2971, 0.2721, 0.3090 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(151, 191, 206)` looks like.

```
.text, #text, p{  
    color:rgb(151, 191, 206)  
}
```

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(151, 191, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 191, 206) }
```

Border

The CSS property to change the border of an element to Yxy 48.2971, 0.2721, 0.3090 is called "border". The border property can be set on classes, ids or directly on the HTML element.

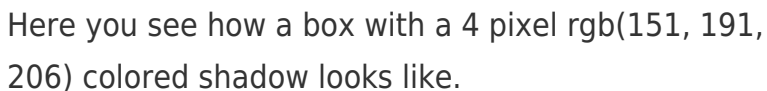
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(151, 191, 206) }
```

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

```
.border{ border-color:rgb(151, 191, 206) }
```

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



Here you see how a box with a 4 pixel `rgb(151, 191, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(151, 191, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(151, 191, 206); box-shadow:4px 4px 4px 4px rgb(151, 191, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2971, 0.2721, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 191, 206) }
```

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

```
.background{ background-color: rgb(151,  
191, 206) }
```

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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