

Converting Colors

$Yxy(48.1742, 0.2729, 0.3099)$

Have a look what the booklet for
Yxy(48.1742, 0.2729, 0.3099)
contains.

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Color

Yxy(48.2487, 0.2728, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	97BFCD
RGB	151, 191, 205
RGB Percent	59%, 75%, 80%
CMY	0.4076, 0.2510, 0.1961
CMYK	0.26, 0.07, 0.00, 0.20
HSL	196°, 35%, 70%
HSV	196°, 26%, 80%
XYZ	42.4178, 48.2487, 64.8240
YIQ	180.6360, -28.3340, -4.1260

Conversions

Conversions Part 2

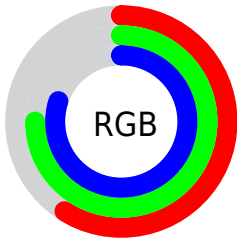
Format	Color
RYB	151, 174, 205
Decimal	9945037
CIELab	74.98, -10.07, -11.39
CIElCh	75, 15.196, 228.522
Yxy	48.2487, 0.2728, 0.3103
Android (android.graphics.Color)	4288135117 (0xFF97BFCD)
YUV	180.6360, 12.0115, -25.9908
Hunter-Lab	69.4613, -12.5530, -6.7088

Details

The Yxy color **48.2487, 0.2728, 0.3103** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.1378, 0.3641, 0.3469**, and the grayscale version is **45.9526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8633, 0.2833, 0.3206**, and **23.0640, 0.2623, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **44.1790, 0.2584, 0.3021**, and if you desaturate by 10%, it is **52.7475, 0.2878, 0.3179**.

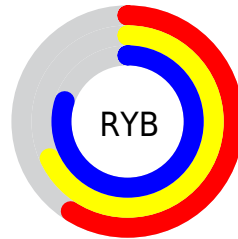
Distribution



Red (59%)

Green (75%)

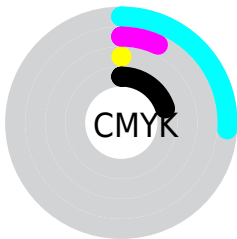
Blue (80%)



Red (59%)

Yellow (68%)

Blue (80%)

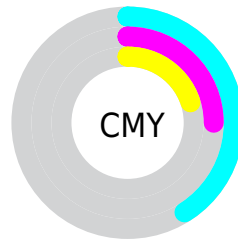


Cyan (26%)

Magenta (7%)

Yellow (0%)

Black (20%)



Cyan (41%)

Magenta (25%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.2487, 0.2728, 0.3103 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 48.2487, 0.2728, 0.3103 by changing the saturation by 10% instead.

■ 48.2487, 0.2728,
0.3103

■ 48.2487, 0.2728,
0.3103

379.7771, 0.2924,
0.3198

■ 34.0239, 0.2680,
0.3079

■ 87.5746, 0.2798,
0.3138

■ 22.9119, 0.2620,
0.3047

■ 113.4444, 0.2825,
0.3151

■ 14.5285, 0.2541,
0.3005

143.9647, 0.2848,
0.3162

■ 8.4892, 0.2432,
0.2946

179.5199, 0.2867,
0.3171

■ 4.4095, 0.2276,
0.2856

220.4943, 0.2884,
0.3180

■ 1.9052, 0.2033,
0.2706

267.2724, 0.2899,

■ 0.5515, 0.1214,

0.3187

0.2404

320.2385, 0.2912,
0.3193

0.0000, 0.0000,
0.0000

48.2487, 0.2728,
0.3103

48.2487, 0.2728,
0.3103

44.1790, 0.2584,
0.3021

52.7475, 0.2878,
0.3179

40.5141, 0.2450,
0.2933

57.6868, 0.3030,
0.3249

37.2357, 0.2329,
0.2840

63.0847, 0.3183,
0.3313

34.3217, 0.2223,
0.2745

68.9565, 0.3335,
0.3369

31.7472, 0.2136,
0.2648

75.3167, 0.3482,
0.3420

■ 29.4833, 0.2069,
0.2551

■ 78.3869, 0.3483,
0.3472

■ 27.4934, 0.2021,
0.2455

■ 81.2712, 0.3473,
0.3525

■ 26.8036, 0.2006,
0.2420

■ 84.2454, 0.3463,
0.3577

■ 87.3104, 0.3453,
0.3629

Harmonies

Analogous

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



48.2487, 0.2793, 0.3287



48.2487, 0.2728, 0.3103



48.2487, 0.2766, 0.2978

Triad

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



48.2487, 0.2728, 0.3103



48.2487, 0.3305, 0.3110



48.2487, 0.3353, 0.3661

Complementary

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



48.2487, 0.2728, 0.3103



42.1378, 0.3641, 0.3469

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.



48.2487, 0.3499, 0.3597



48.2487, 0.2728, 0.3103



48.2487, 0.3472, 0.3278

Square

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



48.2487, 0.2728, 0.3103



48.2487, 0.3094, 0.2987



48.2487, 0.3544, 0.3455



48.2487, 0.3150, 0.3620

Rectangle

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



48.2487, 0.2728, 0.3103



48.2487, 0.2844, 0.2941



48.2487, 0.3544, 0.3455



48.2487, 0.3411, 0.3651

Sweetspot

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



48.2506, 0.2728, 0.3103



93.0044, 0.3003, 0.3237



52.9389, 0.3003, 0.3844



19.6370, 0.2980, 0.3227



0.0000, 0.0000, 0.0000



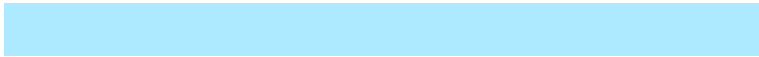
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2506, 0.2728, 0.3103



74.9014, 0.2640, 0.3053



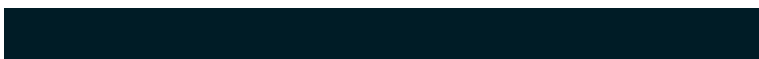
37.7339, 0.2693, 0.2735



12.2153, 0.2983, 0.3228



16.8499, 0.2009, 0.2434



0.9877, 0.2061, 0.2620

Inverse Universe

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



38.8880, 0.3286, 0.2799



57.2318, 0.3332, 0.2683



52.6934, 0.3560, 0.3789



11.3521, 0.3177, 0.3120



9.5040, 0.3989, 0.1971



0.5023, 0.3804, 0.1869

Previews

White Background



This preview shows how the Yxy color 48.2487, 0.2728, 0.3103 looks on a white background.

Color Contrast Check

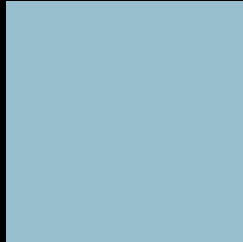
Large Text (above 18pt) WCAG AA × Fail

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 48.2487, 0.2728, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

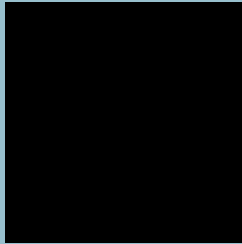
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

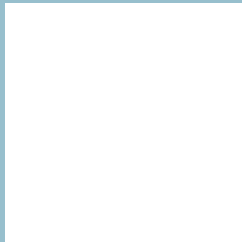
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.2487, 0.2728, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 48.2487, 0.2728, 0.3103.



This preview shows how white text looks on a background with the Yxy color 48.2487, 0.2728, 0.3103.

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

48.2487, 0.2728, 0.3103

Protanopia

48.1044, 0.2997, 0.3075

Deuteranopia

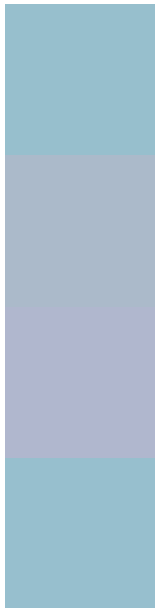
47.8216, 0.3010, 0.2945



Tritanopia

48.2971, 0.2721, 0.3090

Trichromacy



Original Color

48.2487, 0.2728, 0.3103

Protanomaly

48.0400, 0.2889, 0.3083

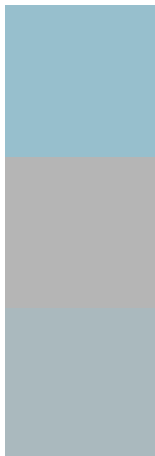
Deuteranomaly

47.5533, 0.2898, 0.2997

Tritanomaly

48.2971, 0.2721, 0.3090

Monochromacy



Original Color

48.2487, 0.2728, 0.3103

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 48.2487, 0.2728, 0.3103 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, 205)` looks like.

```
.text, #text, p{  
    color:rgb(151, 191, 205)  
}
```

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, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 191, 205) }
```

Border

The CSS property to change the border of an element to Yxy 48.2487, 0.2728, 0.3103 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, 205) }
```

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

```
.border{ border-color:rgb(151, 191, 205) }
```

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, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 191, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 191, 205);  
box-shadow:4px 4px 4px 4px rgb(151, 191,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2487, 0.2728, 0.3103 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, 205) }
```

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

```
.background{ background-color: rgb(151,  
191, 205) }
```

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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