

Converting Colors

$Y_{xy}(48.2399, 0.2903, 0.3119)$

Have a look what the booklet for
Yxy(48.2399, 0.2903, 0.3119)
contains.

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Color

Yxy(48.3687, 0.2903, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	ABBBC8
RGB	171, 187, 200
RGB Percent	67%, 73%, 78%
CMY	0.3294, 0.2666, 0.2156
CMYK	0.15, 0.07, 0.00, 0.22
HSL	207°, 21%, 73%
HSV	207°, 15%, 78%
XYZ	44.9902, 48.3687, 61.6193
YIQ	183.6980, -13.7090, 0.6510

Conversions

Conversions Part 2

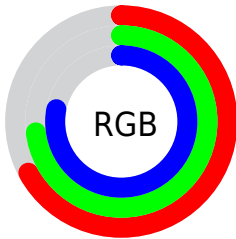
Format	Color
R_{YB}	171, 181, 200
Decimal	11254728
CIE _{Lab}	75.06, -2.82, -8.44
CIE _{LCh}	75, 8.894, 251.534
Yxy	48.3687, 0.2903, 0.3121
Android (android.graphics.Color)	4289444808 (0xFFABBBC8)
YUV	183.6980, 8.0369, -11.1361
Hunter-Lab	69.5476, -6.2371, -3.8477

Details

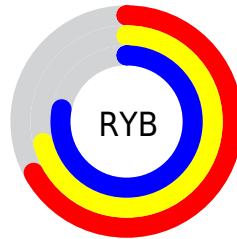
The Yxy color $48.3687, 0.2903, 0.3121$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $49.5051, 0.3370, 0.3453$, and the grayscale version is $47.7187, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.6521, 0.2956, 0.3168$, and $23.0475, 0.2847, 0.3078$ is the 20% darker color. If you saturate the color by 10%, you get $42.6050, 0.2744, 0.2989$, and if you desaturate by 10%, it is $54.7139, 0.3059, 0.3240$.

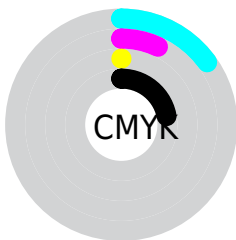
Distribution



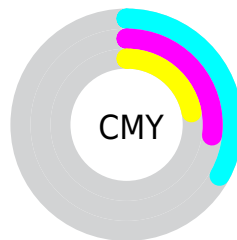
- Red (67%)
- Green (73%)
- Blue (78%)



- Red (67%)
- Yellow (71%)
- Blue (78%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (22%)



- Cyan (33%)
- Magenta (27%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.3687, 0.2903, 0.3121 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 48.3687, 0.2903, 0.3121 by changing the saturation by 10% instead.

■ 48.3687, 0.2903,
0.3121

■ 48.3687, 0.2903,
0.3121

380.2517, 0.3014,
0.3205

■ 34.1190, 0.2876,
0.3100

■ 87.7531, 0.2943,
0.3152

■ 22.9850, 0.2841,
0.3073

113.6566, 0.2958,
0.3163

■ 14.5824, 0.2795,
0.3037

144.2134, 0.2971,
0.3173

■ 8.5269, 0.2732,
0.2988

179.8080, 0.2982,
0.3181

■ 4.4339, 0.2639,
0.2914

220.8247, 0.2991,
0.3188

■ 1.9191, 0.2490,
0.2793

267.6480, 0.3000,

■ 0.5598, 0.2067,

0.3195

0.2497

320.6622, 0.3007,
0.3200

0.0000, 0.0000,
0.0000

48.3687, 0.2903,
0.3121

48.3687, 0.2903,
0.3121

42.6050, 0.2744,
0.2989

54.7139, 0.3059,
0.3240

37.3973, 0.2585,
0.2845

61.6531, 0.3209,
0.3347

32.7267, 0.2430,
0.2689

69.2057, 0.3352,
0.3442

28.5710, 0.2282,
0.2524

77.3886, 0.3488,
0.3525

24.9058, 0.2146,
0.2352

83.0556, 0.3499,
0.3611

■ 21.7042, 0.2027,
0.2177

■ 88.2292, 0.3481,
0.3698

■ 18.9356, 0.1929,
0.2003

■ 93.6640, 0.3464,
0.3782

■ 16.5640, 0.1853,
0.1835

■ 96.9510, 0.3454,
0.3830

■ 15.3973, 0.1818,
0.1745

Harmonies

Analogous

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



48.3687, 0.2895, 0.3206



48.3687, 0.2903, 0.3121



48.3687, 0.2970, 0.3083

Triad

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



48.3687, 0.2903, 0.3121



48.3687, 0.3310, 0.3260



48.3687, 0.3171, 0.3491

Complementary

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



48.3687, 0.2903, 0.3121



49.5051, 0.3370, 0.3453

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.



48.3687, 0.3284, 0.3503



48.3687, 0.2903, 0.3121



48.3687, 0.3365, 0.3367

Square

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



48.3687, 0.2903, 0.3121



48.3687, 0.3204, 0.3163



48.3687, 0.3356, 0.3456



48.3687, 0.3048, 0.3423

Rectangle

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



48.3687, 0.2903, 0.3121



48.3687, 0.3040, 0.3087



48.3687, 0.3356, 0.3456



48.3687, 0.3211, 0.3502

Sweetspot

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



48.3707, 0.2903, 0.3121



95.2334, 0.3066, 0.3245



53.4170, 0.3021, 0.3503



20.1961, 0.3054, 0.3237



0.0000, 0.0000, 0.0000



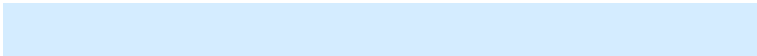
21.4041, 0.3127, 0.3290

Same Dimension

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



48.3707, 0.2903, 0.3121



80.9057, 0.2860, 0.3086



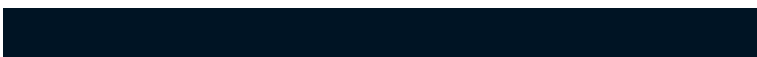
42.6869, 0.2897, 0.2934



11.2413, 0.2983, 0.3184



9.9693, 0.1825, 0.1768



0.6151, 0.1921, 0.2115

Inverse Universe

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



44.9926, 0.3254, 0.3091



74.2030, 0.3281, 0.3052



55.6484, 0.3346, 0.3623



10.7332, 0.3205, 0.3163



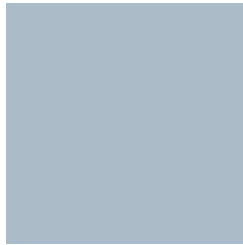
8.5464, 0.4724, 0.2376



0.4191, 0.4324, 0.2156

Previews

White Background



This preview shows how the Yxy color 48.3687, 0.2903, 0.3121 looks on a white background.

Color Contrast Check

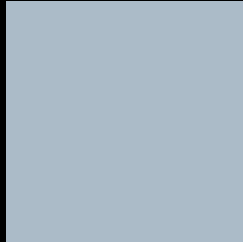
Large Text (above 18pt) WCAG AA × Fail

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 48.3687, 0.2903, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

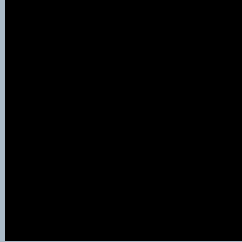
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

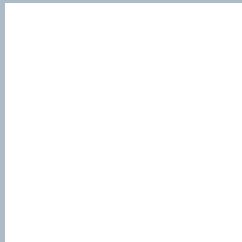
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.3687, 0.2903, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 48.3687, 0.2903, 0.3121.



This preview shows how white text looks on a background with the Yxy color 48.3687, 0.2903, 0.3121.

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

48.3687, 0.2903, 0.3121

Protanopia

48.1345, 0.3020, 0.3100

Deuteranopia

48.1066, 0.3081, 0.3007



Tritanopia

48.4628, 0.2889, 0.3096

Trichromacy



Original Color

48.3687, 0.2903, 0.3121

Protanomaly

47.9882, 0.2972, 0.3098

Deuteranomaly

48.1120, 0.3014, 0.3051

Tritanomaly

48.4156, 0.2896, 0.3109

Monochromacy



Original Color

48.3687, 0.2903, 0.3121

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.9993, 0.3039, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.3687, 0.2903, 0.3121 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(171, 187, 200)` looks like.

```
.text, #text, p{  
    color:rgb(171, 187, 200)  
}
```

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(171, 187, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 187, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.3687, 0.2903, 0.3121 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(171, 187, 200) }
```

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

```
.border{ border-color:rgb(171, 187, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 187, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 187, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 187, 200);  
box-shadow:4px 4px 4px 4px rgb(171, 187,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.3687, 0.2903, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 187, 200) }
```

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

```
.background{ background-color: rgb(171,  
187, 200) }
```

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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