

Converting Colors

$Y_{xy}(42.2010, 0.2921, 0.3370)$

Have a look what the booklet for
Yxy(42.2010, 0.2921, 0.3370)
contains.

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Color

Yxy(42.1825, 0.2924, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	96B4AE
RGB	150, 180, 174
RGB Percent	59%, 71%, 68%
CMY	0.4115, 0.2941, 0.3177
CMYK	0.17, 0.00, 0.03, 0.29
HSL	168°, 17%, 65%
HSV	168°, 17%, 71%
XYZ	36.5457, 42.1825, 46.2570
YIQ	170.3460, -15.9540, -8.2260

Conversions

Conversions Part 2

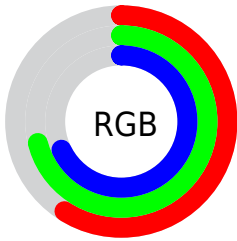
Format	Color
RYB	150, 167, 180
Decimal	9876654
CIELab	71.00, -11.40, -0.36
CIELCh	71, 11.409, 181.786
Yxy	42.1825, 0.2924, 0.3375
Android (android.graphics.Color)	4288066734 (0xFF96B4AE)
YUV	170.3460, 1.8014, -17.8434
Hunter-Lab	64.9481, -13.2188, 3.2364

Details

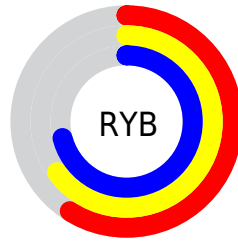
The Yxy color $42.1825, 0.2924, 0.3375$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $33.9346, 0.3378, 0.3207$, and the grayscale version is $40.3821, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.4854, 0.2961, 0.3366$, and $19.2365, 0.2863, 0.3389$ is the 20% darker color. If you saturate the color by 10%, you get $40.4663, 0.2811, 0.3433$, and if you desaturate by 10%, it is $44.1683, 0.3045, 0.3322$.

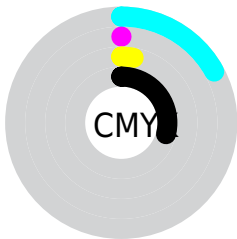
Distribution



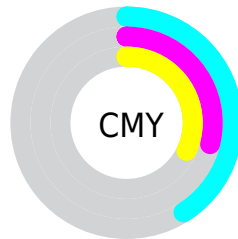
- Red (59%)
- Green (71%)
- Blue (68%)



- Red (59%)
- Yellow (65%)
- Blue (71%)



- Cyan (17%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)





- Cyan (41%)
- Magenta (29%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1825, 0.2924, 0.3375 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 42.1825, 0.2924, 0.3375 by changing the saturation by 10% instead.

 42.1825, 0.2924,
0.3375

 42.1825, 0.2924,
0.3375


355.2389, 0.3027,
0.3332

 29.2442, 0.2898,
0.3386

 78.4758, 0.2962,
0.3359

 19.2656, 0.2864,
0.3400


 102.5995, 0.2976,
0.3353

 11.8624, 0.2818,
0.3419


131.2206, 0.2988,
0.3348

 6.6500, 0.2753,
0.3446

164.7233, 0.2998,
0.3344

 3.2442, 0.2653,
0.3487

203.4921, 0.3007,
0.3341

 1.2605, 0.2481,
0.3557

247.9114, 0.3014,

 0.1103, 0.0000,

0.3337

0.4321

298.3655, 0.3021,
0.3335

0.0000, 0.0000,
0.0000

42.1825, 0.2924,
0.3375

42.1825, 0.2924,
0.3375

40.4663, 0.2811,
0.3433

44.1683, 0.3045,
0.3322

39.0025, 0.2708,
0.3494

46.4297, 0.3170,
0.3274

37.7799, 0.2617,
0.3560

48.9788, 0.3297,
0.3232

36.7845, 0.2543,
0.3629

51.8258, 0.3425,
0.3193

36.0009, 0.2486,
0.3700

54.9802, 0.3551,
0.3160

■ 35.4116, 0.2447,
0.3772

■ 57.8678, 0.3648,
0.3129

■ 34.9963, 0.2428,
0.3845

■ 58.0336, 0.3617,
0.3091

■ 34.7273, 0.2427,
0.3917

■ 58.2034, 0.3585,
0.3054

■ 34.6509, 0.2428,
0.3941

■ 58.3771, 0.3554,
0.3018

Harmonies

Analogous

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



42.1825, 0.3072, 0.3507



42.1825, 0.2924, 0.3375



42.1825, 0.2831, 0.3222

Triad

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



42.1825, 0.2924, 0.3375



42.1825, 0.3011, 0.3020



42.1825, 0.3449, 0.3477

Complementary

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



42.1825, 0.2924, 0.3375



33.9346, 0.3378, 0.3207

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.



42.1825, 0.3433, 0.3345



42.1825, 0.2924, 0.3375



42.1825, 0.3176, 0.3087

Square

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



42.1825, 0.2924, 0.3375



42.1825, 0.2880, 0.3021



42.1825, 0.3332, 0.3204



42.1825, 0.3377, 0.3563

Rectangle

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



42.1825, 0.2924, 0.3375



42.1825, 0.2811, 0.3131



42.1825, 0.3332, 0.3204



42.1825, 0.3454, 0.3436

Sweetspot

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



42.1843, 0.2924, 0.3375



80.6956, 0.3064, 0.3315



41.9650, 0.3163, 0.3723



17.3828, 0.3055, 0.3318



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



42.1843, 0.2924, 0.3375



75.2859, 0.2881, 0.3396



39.1029, 0.2875, 0.3168



9.6018, 0.3012, 0.3336



24.1963, 0.2426, 0.3932



0.7687, 0.2370, 0.3732

Inverse Universe

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



33.9346, 0.3378, 0.3207



57.4589, 0.3446, 0.3187



36.5434, 0.3419, 0.3409



8.5322, 0.3257, 0.3245



6.8694, 0.6043, 0.3102



0.2243, 0.5302, 0.2695

Previews

White Background



This preview shows how the Yxy color 42.1825, 0.2924, 0.3375 looks on a white background.

Color Contrast Check

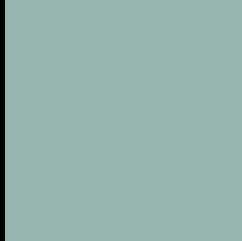
Large Text (above 18pt) WCAG AA × Fail

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 42.1825, 0.2924, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

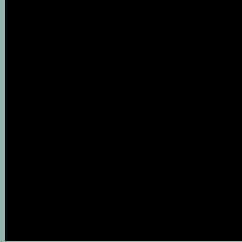
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

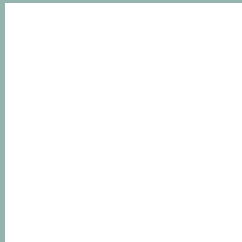
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1825, 0.2924, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 42.1825, 0.2924, 0.3375.

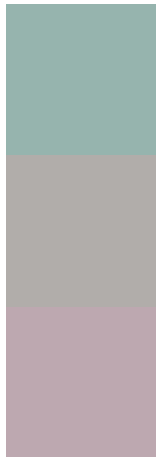


This preview shows how white text looks on a background with the Yxy color 42.1825, 0.2924, 0.3375.

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

42.1825, 0.2924, 0.3375

Protanopia

42.1365, 0.3188, 0.3331

Deuteranopia

41.9587, 0.3252, 0.3186



Tritanopia

41.9782, 0.2821, 0.3095

Trichromacy



Original Color

42.1825, 0.2924, 0.3375

Protanomaly

42.2064, 0.3089, 0.3359

Deuteranomaly

41.7142, 0.3129, 0.3249

Tritanomaly

42.0190, 0.2858, 0.3191

Monochromacy



Original Color

42.1825, 0.2924, 0.3375

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

40.9989, 0.3055, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1825, 0.2924, 0.3375 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(150, 180, 174)` looks like.

```
.text, #text, p{  
    color:rgb(150, 180, 174)  
}
```

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(150, 180, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 180, 174) }
```

Border

The CSS property to change the border of an element to Yxy 42.1825, 0.2924, 0.3375 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(150, 180, 174) }
```

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

```
.border{ border-color:rgb(150, 180, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 180, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 180, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 180, 174);  
box-shadow:4px 4px 4px 4px rgb(150, 180,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1825, 0.2924, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 180, 174) }
```

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

```
.background{ background-color: rgb(150,  
180, 174) }
```

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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