

Converting Colors

$Yxy(41.4991, 0.2584, 0.3003)$

Have a look what the booklet for
Yxy(41.4991, 0.2584, 0.3003)
contains.

Yxy(41.4018, 0.2587, 0.3004)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(41.4018, 0.2587, 0.3004)

Conversions

Conversions Part 1

Format	Color
Hex	80B4C8
RGB	128, 180, 200
RGB Percent	50%, 71%, 78%
CMY	0.4979, 0.2941, 0.2156
CMYK	0.36, 0.10, 0.00, 0.22
HSL	197°, 40%, 64%
HSV	197°, 36%, 78%
XYZ	35.6546, 41.4018, 60.7658
YIQ	166.7320, -37.4120, -4.8040

Conversions

Conversions Part 2

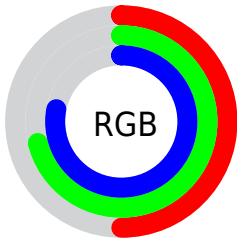
Format	Color
RYB	128, 158, 200
Decimal	8434888
CIELab	70.46, -12.05, -15.60
CIElCh	70, 19.715, 232.306
Yxy	41.4018, 0.2587, 0.3004
Android (android.graphics.Color)	4286624968 (0xFF80B4C8)
YUV	166.7320, 16.4011, -33.9680
Hunter-Lab	64.3442, -13.6915, -10.9517

Details

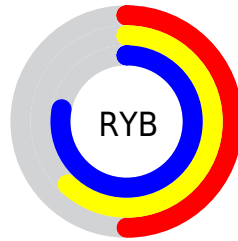
The Yxy color **41.4018, 0.2587, 0.3004** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.0422, 0.3889, 0.3556**, and the grayscale version is **38.4440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2782, 0.2694, 0.3081**, and **18.7499, 0.2434, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **37.7998, 0.2451, 0.2910**, and if you desaturate by 10%, it is **45.4030, 0.2732, 0.3092**.

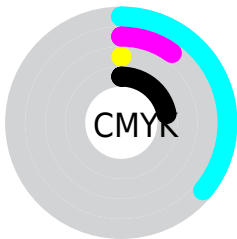
Distribution



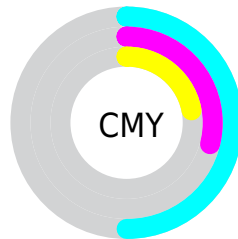
- Red (50%)
- Green (71%)
- Blue (78%)



- Red (50%)
- Yellow (62%)
- Blue (78%)



- Cyan (36%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (50%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4018, 0.2587, 0.3004 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 41.4018, 0.2587, 0.3004 by changing the saturation by 10% instead.

■ 41.4018, 0.2587,
0.3004

■ 41.4018, 0.2587,
0.3004

■ 351.9971, 0.2857,
0.3154

■ 28.6332, 0.2520,
0.2965

■ 77.2935, 0.2685,
0.3060

■ 18.8035, 0.2434,
0.2913

■ 101.1853, 0.2722,
0.3080

■ 11.5284, 0.2321,
0.2843

■ 129.5537, 0.2753,
0.3097

■ 6.4234, 0.2164,
0.2743

■ 162.7829, 0.2780,
0.3112

■ 3.1042, 0.1935,
0.2587

■ 201.2575, 0.2803,
0.3125

■ 1.1864, 0.1576,
0.2320

■ 245.3618, 0.2823,

■ 0.0505, 0.0000,

0.3136

0.0418

295.4802, 0.2841,
0.3145

0.0000, 0.0000,
0.0000

41.4018, 0.2587,
0.3004

41.4018, 0.2587,
0.3004

37.7998, 0.2451,
0.2910

45.4030, 0.2732,
0.3092

34.5731, 0.2326,
0.2811

49.8161, 0.2883,
0.3174

31.7022, 0.2218,
0.2708

54.6592, 0.3036,
0.3249

29.1636, 0.2127,
0.2603

59.9476, 0.3188,
0.3316

26.9301, 0.2056,
0.2499

65.6959, 0.3338,
0.3377

■ 24.9678, 0.2005,
0.2395

■ 71.9178, 0.3484,
0.3430

■ 24.2301, 0.1987,
0.2354

■ 76.0659, 0.3526,
0.3484

■ 79.0173, 0.3514,
0.3539

■ 82.0666, 0.3503,
0.3594

Harmonies

Analogous

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



41.4018, 0.2656, 0.3248



41.4018, 0.2587, 0.3004



41.4018, 0.2654, 0.2852

Triad

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



41.4018, 0.2587, 0.3004



41.4018, 0.3403, 0.3072



41.4018, 0.3400, 0.3802

Complementary

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



41.4018, 0.2587, 0.3004



35.0422, 0.3889, 0.3556

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.



41.4018, 0.3615, 0.3724



41.4018, 0.2587, 0.3004



41.4018, 0.3620, 0.3300

Square

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



41.4018, 0.2587, 0.3004



41.4018, 0.3116, 0.2899



41.4018, 0.3699, 0.3537



41.4018, 0.3118, 0.3729

Rectangle

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



41.4018, 0.2587, 0.3004



41.4018, 0.2768, 0.2816



41.4018, 0.3699, 0.3537



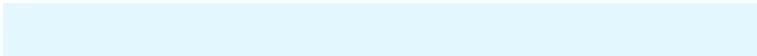
41.4018, 0.3483, 0.3791

Sweetspot

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



41.4034, 0.2587, 0.3004



90.1844, 0.2956, 0.3211



48.0232, 0.2953, 0.4069



19.0583, 0.2935, 0.3201



0.0000, 0.0000, 0.0000



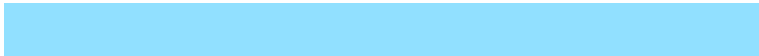
21.4041, 0.3127, 0.3290

Same Dimension

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



41.4034, 0.2587, 0.3004



66.8491, 0.2482, 0.2933



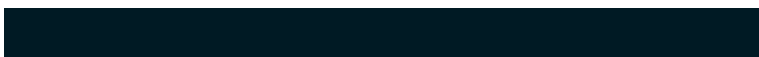
28.9645, 0.2514, 0.2474



11.5494, 0.2984, 0.3224



15.5605, 0.1991, 0.2368



0.8541, 0.2051, 0.2583

Inverse Universe

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



31.0263, 0.3375, 0.2632



47.0266, 0.3445, 0.2495



47.8007, 0.3731, 0.3990



10.7643, 0.3179, 0.3125



9.1108, 0.4055, 0.2008



0.4432, 0.3840, 0.1889

Previews

White Background



This preview shows how the Yxy color 41.4018, 0.2587, 0.3004 looks on a white background.

Color Contrast Check

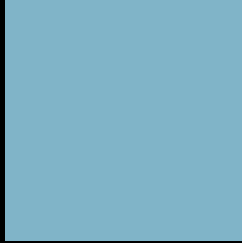
Large Text (above 18pt) WCAG AA × Fail

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 41.4018, 0.2587, 0.3004 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 41.4018, 0.2587, 0.3004

Background



This preview shows how black text looks on a background with the Yxy color 41.4018, 0.2587, 0.3004.

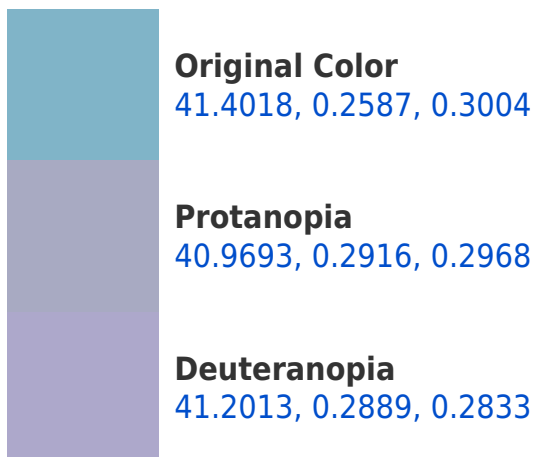


This preview shows how white text looks on a background with the Yxy color 41.4018, 0.2587, 0.3004.

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





Tritanopia

41.4999, 0.2613, 0.3087

Trichromacy



Original Color

41.4018, 0.2587, 0.3004

Protanomaly

41.0299, 0.2783, 0.2986

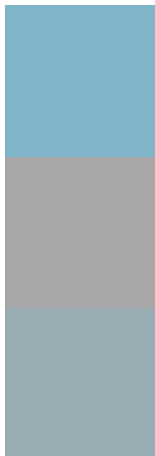
Deuteranomaly

40.9374, 0.2770, 0.2884

Tritanomaly

41.5910, 0.2601, 0.3060

Monochromacy



Original Color

41.4018, 0.2587, 0.3004

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.5320, 0.2907, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4018, 0.2587, 0.3004 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(128, 180, 200)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 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(128, 180, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 200) }
```

Border

The CSS property to change the border of an element to Yxy 41.4018, 0.2587, 0.3004 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(128, 180, 200) }
```

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

```
.border{ border-color:rgb(128, 180, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 180, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 200);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4018, 0.2587, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 180, 200) }
```

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

```
.background{ background-color: rgb(128,  
180, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor