

Converting Colors

$Y_{xy}(41.3036, 0.2593, 0.3008)$

Have a look what the booklet for
Yxy(41.3036, 0.2593, 0.3008)
contains.

Yxy(41.4332, 0.2600, 0.3018) 3

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Color

Yxy(41.4332, 0.2600, 0.3018)

Conversions

Conversions Part 1	
Format	Color
Hex	81B4C7
RGB	129, 180, 199
RGB Percent	51%, 71%, 78%
CMY	0.4938, 0.2942, 0.2195
CMYK	0.35, 0.10, 0.00, 0.22
HSL	196°, 38%, 64%
HSV	196°, 35%, 78%
XYZ	35.6946, 41.4332, 60.1591
YIQ	166.9170, -36.4950, -4.9030

Conversions

Conversions Part 2

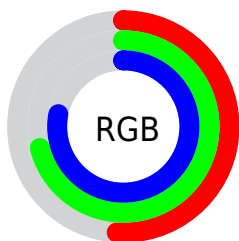
Format	Color
RYB	129, 159, 199
Decimal	8500423
CIELab	70.48, -12.01, -15.01
CIElCh	70, 19.228, 231.331
Yxy	41.4332, 0.2600, 0.3018
Android (android.graphics.Color)	4286690503 (0xFF81B4C7)
YUV	166.9170, 15.8169, -33.2532
Hunter-Lab	64.3686, -13.6607, -10.3546

Details

The Yxy color **41.4332, 0.2600, 0.3018** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.9501, 0.3867, 0.3544**, and the grayscale version is **38.5455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4013, 0.2700, 0.3081**, and **18.7596, 0.2449, 0.2930** is the 20% darker color. If you saturate the color by 10%, you get **37.8795, 0.2463, 0.2926**, and if you desaturate by 10%, it is **45.3793, 0.2745, 0.3104**.

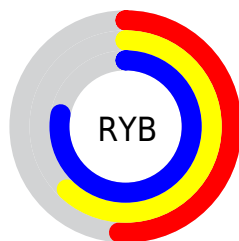
Distribution



Red (51%)

Green (71%)

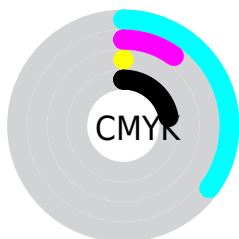
Blue (78%)



Red (51%)

Yellow (62%)

Blue (78%)

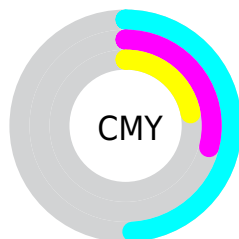


Cyan (35%)

Magenta (10%)

Yellow (0%)

Black (22%)



Cyan (49%)


Magenta (29%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.4332, 0.2600, 0.3018 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 41.4332, 0.2600, 0.3018 by changing the saturation by 10% instead.


 41.4332, 0.2600,
0.3018

 41.4332, 0.2600,
0.3018


352.1279, 0.2864,
0.3160


 28.6577, 0.2534,
0.2981


 77.3411, 0.2696,
0.3071

 18.8221, 0.2450,
0.2932


 101.2423, 0.2732,
0.3091

 11.5418, 0.2339,
0.2865


 129.6208, 0.2762,
0.3107

 6.4325, 0.2186,
0.2768

162.8611, 0.2788,
0.3121

 3.1098, 0.1961,
0.2619

201.3476, 0.2811,
0.3133

 1.1893, 0.1607,
0.2361


245.4646, 0.2831,


 0.0530, 0.0000,


0.3143


0.0454

295.5966, 0.2848,
0.3152

 0.0000, 0.0000,
0.0000


 41.4332, 0.2600,
0.3018


 41.4332, 0.2600,
0.3018


 37.8795, 0.2463,
0.2926


 45.3793, 0.2745,
0.3104


 34.6945, 0.2339,
0.2830

 49.7300, 0.2896,
0.3183


 31.8595, 0.2230,
0.2730

 54.5030, 0.3049,
0.3256

 29.3515, 0.2138,
0.2628

 59.7134, 0.3201,
0.3321

 27.1440, 0.2067,
0.2526

 65.3755, 0.3351,
0.3380

■ 25.2050, 0.2015,
0.2425

■ 71.5026, 0.3497,
0.3431

■ 24.3291, 0.1993,
0.2376

■ 75.4768, 0.3536,
0.3484

■ 78.3307, 0.3524,
0.3538

■ 81.2773, 0.3513,
0.3591

Harmonies

Analogous

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



41.4332, 0.2671, 0.3258



41.4332, 0.2600, 0.3018



41.4332, 0.2661, 0.2866

Triad

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



41.4332, 0.2600, 0.3018



41.4332, 0.3388, 0.3070



41.4332, 0.3402, 0.3788

Complementary

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



41.4332, 0.2600, 0.3018



34.9501, 0.3867, 0.3544

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.



41.4332, 0.3608, 0.3709



41.4332, 0.2600, 0.3018



41.4332, 0.3603, 0.3293

Square

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



41.4332, 0.2600, 0.3018



41.4332, 0.3107, 0.2904



41.4332, 0.3684, 0.3524



41.4332, 0.3128, 0.3722

Rectangle

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



41.4332, 0.2600, 0.3018



41.4332, 0.2771, 0.2828



41.4332, 0.3684, 0.3524



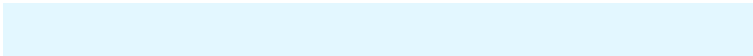
41.4332, 0.3482, 0.3777

Sweetspot

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



41.4348, 0.2600, 0.3018



90.2880, 0.2956, 0.3213



47.6590, 0.2957, 0.4047



19.0831, 0.2935, 0.3203



0.0000, 0.0000, 0.0000



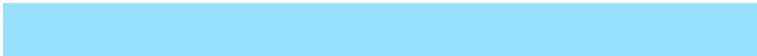
21.4041, 0.3127, 0.3290

Same Dimension

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



41.4348, 0.2600, 0.3018



67.8175, 0.2497, 0.2950



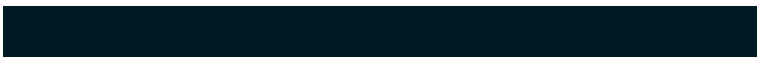
29.1735, 0.2530, 0.2497



11.5604, 0.2984, 0.3226



15.7929, 0.1997, 0.2390



0.8636, 0.2055, 0.2599

Inverse Universe

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



31.1632, 0.3363, 0.2643



47.8912, 0.3430, 0.2507



47.4758, 0.3715, 0.3973



10.7654, 0.3178, 0.3123



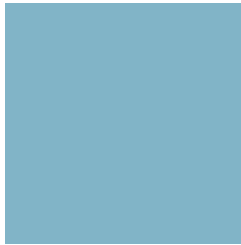
9.1343, 0.4034, 0.1996



0.4442, 0.3825, 0.1881

Previews

White Background



This preview shows how the Yxy color 41.4332, 0.2600, 0.3018 looks on a white background.

Color Contrast Check

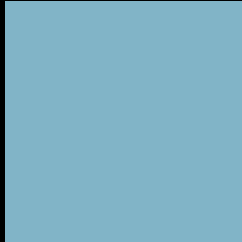
Large Text (above 18pt) WCAG AA × Fail

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 41.4332, 0.2600, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

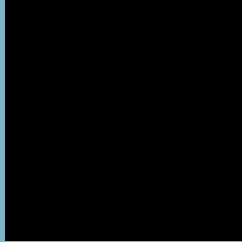
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.4332, 0.2600, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 41.4332, 0.2600, 0.3018.



This preview shows how white text looks on a background with the Yxy color 41.4332, 0.2600, 0.3018.

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

41.4332, 0.2600, 0.3018

Protanopia

41.0347, 0.2932, 0.2981

Deuteranopia

41.2682, 0.2905, 0.2846



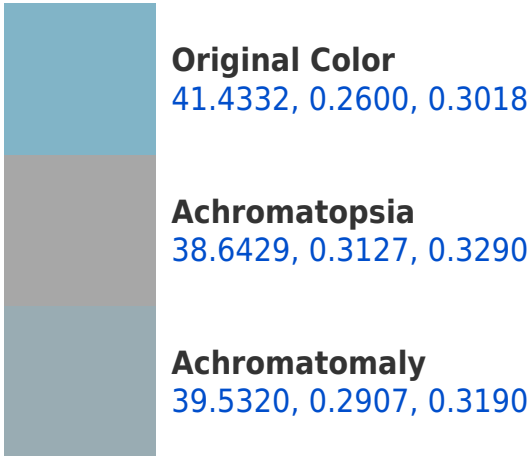
Tritanopia

41.5771, 0.2620, 0.3088

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.4332, 0.2600, 0.3018 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(129, 180, 199)` looks like.

```
.text, #text, p{  
    color:rgb(129, 180, 199)  
}
```

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(129, 180, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 180, 199) }
```

Border

The CSS property to change the border of an element to Yxy 41.4332, 0.2600, 0.3018 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(129, 180, 199) }
```

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

```
.border{ border-color:rgb(129, 180, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 180, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 180, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 180, 199);  
box-shadow:4px 4px 4px 4px rgb(129, 180,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 41.4332, 0.2600, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 180, 199) }
```

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

```
.background{ background-color: rgb(129,  
180, 199) }
```

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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