

Converting Colors

$Yxy(41.1631, 0.2629, 0.2985)$

Have a look what the booklet for
Yxy(41.1631, 0.2629, 0.2985)
contains.

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Color

Yxy(41.1618, 0.2630, 0.2979)

Conversions

Conversions Part 1

Format	Color
Hex	87B2C8
RGB	135, 178, 200
RGB Percent	53%, 70%, 78%
CMY	0.4705, 0.3020, 0.2157
CMYK	0.32, 0.11, 0.00, 0.22
HSL	200°, 37%, 66%
HSV	200°, 32%, 78%
XYZ	36.3396, 41.1618, 60.6719
YIQ	167.6510, -32.6900, -2.2740

Conversions

Conversions Part 2

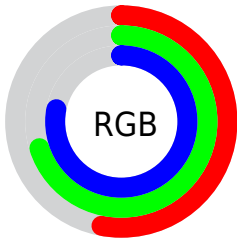
Format	Color
R_{YB}	135, 161, 200
Decimal	8893128
CIE _{Lab}	70.29, -9.04, -15.80
CIE _{LCh}	70, 18.206, 240.234
Yxy	41.1618, 0.2630, 0.2979
Android (android.graphics.Color)	4287083208 (0xFF87B2C8)
YUV	167.6510, 15.9481, -28.6349
Hunter-Lab	64.1575, -11.1710, -11.1586

Details

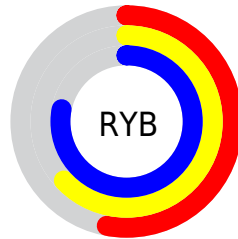
The Yxy color **41.1618, 0.2630, 0.2979** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.1506, 0.3777, 0.3580**, and the grayscale version is **38.9132, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0128, 0.2731, 0.3061**, and **18.5816, 0.2490, 0.2876** is the 20% darker color. If you saturate the color by 10%, you get **37.0285, 0.2484, 0.2865**, and if you desaturate by 10%, it is **45.7430, 0.2782, 0.3085**.

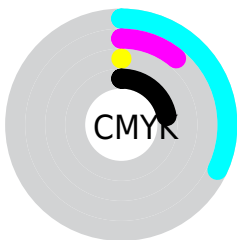
Distribution



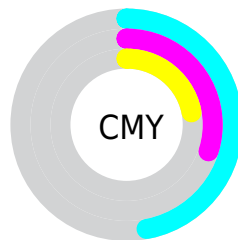
- Red (53%)
- Green (70%)
- Blue (78%)



- Red (53%)
- Yellow (63%)
- Blue (78%)



- Cyan (32%)
- Magenta (11%)
- Yellow (0%)
- Black (22%)



- Cyan (47%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1618, 0.2630, 0.2979 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 41.1618, 0.2630, 0.2979 by changing the saturation by 10% instead.

■ 41.1618, 0.2630,
0.2979

■ 41.1618, 0.2630,
0.2979

■ 350.9964, 0.2879,
0.3140

■ 28.4455, 0.2568,
0.2937

■ 76.9295, 0.2721,
0.3039

■ 18.6618, 0.2488,
0.2883

■ 100.7496, 0.2755,
0.3061

■ 11.4261, 0.2382,
0.2809

■ 129.0399, 0.2783,
0.3079

■ 6.3542, 0.2236,
0.2703

■ 162.1846, 0.2808,
0.3095

■ 3.0617, 0.2020,
0.2541

■ 200.5683, 0.2829,
0.3109

■ 1.1640, 0.1679,
0.2267

■ 244.5752, 0.2848,

■ 0.0320, 0.0000,

0.3121

0.0271

294.5898, 0.2865,
0.3131

0.0000, 0.0000,
0.0000

41.1618, 0.2630,
0.2979

41.1618, 0.2630,
0.2979

37.0285, 0.2484,
0.2865

45.7430, 0.2782,
0.3085

33.3188, 0.2348,
0.2745

50.7853, 0.2936,
0.3182

30.0132, 0.2225,
0.2619

56.3070, 0.3089,
0.3270

27.0883, 0.2119,
0.2490

62.3241, 0.3240,
0.3348

24.5173, 0.2032,
0.2360

68.8515, 0.3387,
0.3419

■ 22.2686, 0.1966,
0.2231

■ 75.8995, 0.3527,
0.3481

■ 20.7496, 0.1927,
0.2136

■ 79.4970, 0.3513,
0.3548

■ 83.2399, 0.3499,
0.3615

■ 87.1297, 0.3485,
0.3680

Harmonies

Analogous

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



41.1618, 0.2661, 0.3187



41.1618, 0.2630, 0.2979



41.1618, 0.2725, 0.2865

Triad

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



41.1618, 0.2630, 0.2979



41.1618, 0.3445, 0.3141



41.1618, 0.3315, 0.3759

Complementary

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



41.1618, 0.2630, 0.2979



38.1506, 0.3777, 0.3580

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.



41.1618, 0.3537, 0.3723



41.1618, 0.2630, 0.2979



41.1618, 0.3616, 0.3360

Square

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



41.1618, 0.2630, 0.2979



41.1618, 0.3189, 0.2962



41.1618, 0.3650, 0.3573



41.1618, 0.3049, 0.3654

Rectangle

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



41.1618, 0.2630, 0.2979



41.1618, 0.2849, 0.2850



41.1618, 0.3650, 0.3573



41.1618, 0.3397, 0.3762

Sweetspot

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



41.1634, 0.2630, 0.2979



90.0950, 0.2972, 0.3203



48.8842, 0.2940, 0.3915



19.0010, 0.2950, 0.3190



0.0000, 0.0000, 0.0000



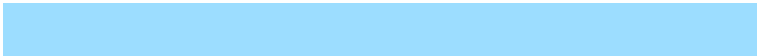
21.4041, 0.3127, 0.3290

Same Dimension

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



41.1634, 0.2630, 0.2979



66.1296, 0.2526, 0.2899



29.8351, 0.2571, 0.2501



11.4393, 0.2984, 0.3210



13.3649, 0.1932, 0.2154



0.7630, 0.2005, 0.2419

Inverse Universe

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



32.8279, 0.3386, 0.2743



50.1242, 0.3461, 0.2623



50.4973, 0.3651, 0.3971



10.7532, 0.3188, 0.3138



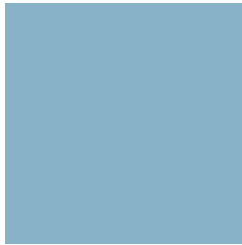
8.8892, 0.4282, 0.2132



0.4340, 0.4004, 0.1979

Previews

White Background



This preview shows how the Yxy color 41.1618, 0.2630, 0.2979 looks on a white background.

Color Contrast Check

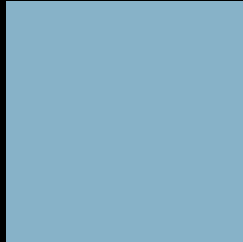
Large Text (above 18pt) WCAG AA × Fail

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 41.1618, 0.2630, 0.2979 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

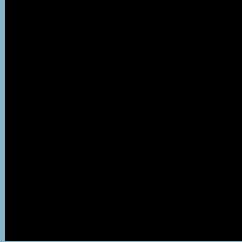
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

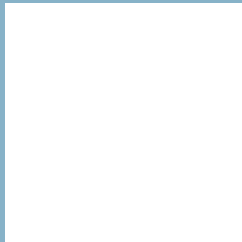
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.1618, 0.2630, 0.2979

Background



This preview shows how black text looks on a background with the Yxy color 41.1618, 0.2630, 0.2979.



This preview shows how white text looks on a background with the Yxy color 41.1618, 0.2630, 0.2979.

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

41.1618, 0.2630, 0.2979

Protanopia

40.9051, 0.2900, 0.2954

Deuteranopia

40.7859, 0.2896, 0.2831



Tritanopia

41.0770, 0.2663, 0.3088

Trichromacy



Original Color

41.1618, 0.2630, 0.2979

Protanomaly

40.8869, 0.2790, 0.2960

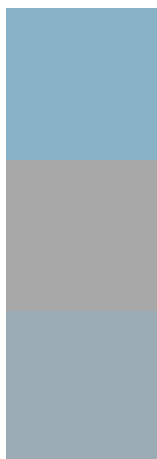
Deuteranomaly

40.7138, 0.2791, 0.2884

Tritanomaly

41.2941, 0.2650, 0.3047

Monochromacy



Original Color

41.1618, 0.2630, 0.2979

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.8683, 0.2924, 0.3176

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1618, 0.2630, 0.2979 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(135, 178, 200)` looks like.

```
.text, #text, p{  
    color:rgb(135, 178, 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(135, 178, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 178, 200) }
```

Border

The CSS property to change the border of an element to Yxy 41.1618, 0.2630, 0.2979 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(135, 178, 200) }
```

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

```
.border{ border-color:rgb(135, 178, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 178, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 178, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 178, 200);  
box-shadow:4px 4px 4px 4px rgb(135, 178,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1618, 0.2630, 0.2979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 178, 200) }
```

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

```
.background{ background-color: rgb(135,  
178, 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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