

Converting Colors

$Y_{xy}(41.1640, 0.2614, 0.3070)$

Have a look what the booklet for
Yxy(41.1640, 0.2614, 0.3070)
contains.

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Color

Yxy(41.1718, 0.2618, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	80B4C3
RGB	128, 180, 195
RGB Percent	50%, 71%, 76%
CMY	0.4980, 0.2941, 0.2353
CMYK	0.34, 0.08, 0.00, 0.24
HSL	193°, 36%, 63%
HSV	193°, 34%, 76%
XYZ	35.0757, 41.1718, 57.7316
YIQ	166.1620, -35.8070, -6.3590

Conversions

Conversions Part 2

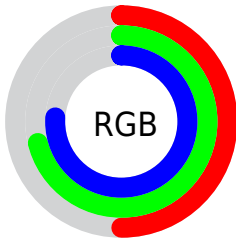
Format	Color
R _Y B	128, 157, 195
Decimal	8434883
CIE Lab	70.30, -13.33, -13.09
CIE LCh	70, 18.679, 224.488
Yxy	41.1718, 0.2618, 0.3073
Android (android.graphics.Color)	4286624963 (0xFF80B4C3)
YUV	166.1620, 14.2171, -33.4681
Hunter-Lab	64.1653, -14.7127, -8.4295

Details

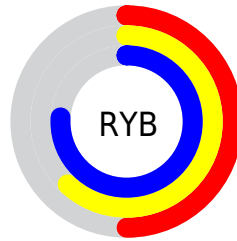
The Yxy color **41.1718, 0.2618, 0.3073** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.8142, 0.3859, 0.3495**, and the grayscale version is **38.1610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.0865, 0.2710, 0.3113**, and **18.5977, 0.2472, 0.3005** is the 20% darker color. If you saturate the color by 10%, you get **38.0673, 0.2486, 0.2999**, and if you desaturate by 10%, it is **44.6257, 0.2760, 0.3143**.

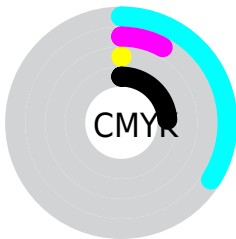
Distribution



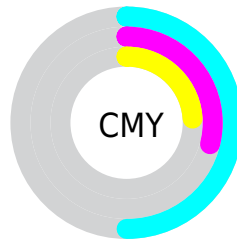
- Red (50%)
- Green (71%)
- Blue (76%)



- Red (50%)
- Yellow (62%)
- Blue (76%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (24%)



- Cyan (50%)
- Magenta (29%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1718, 0.2618, 0.3073 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 41.1718, 0.2618, 0.3073 by changing the saturation by 10% instead.

■ 41.1718, 0.2618,
0.3073

■ 41.1718, 0.2618,
0.3073

■ 351.0381, 0.2873,
0.3188

■ 28.4533, 0.2554,
0.3042

■ 76.9446, 0.2711,
0.3116

■ 18.6677, 0.2473,
0.3002

■ 100.7678, 0.2746,
0.3132

■ 11.4304, 0.2364,
0.2947

■ 129.0613, 0.2775,
0.3145

■ 6.3571, 0.2214,
0.2866

■ 162.2096, 0.2800,
0.3156

■ 3.0634, 0.1992,
0.2738

■ 200.5970, 0.2822,
0.3166

■ 1.1649, 0.1635,
0.2512

■ 244.6080, 0.2841,

■ 0.0328, 0.0000,

0.3174

0.0333

294.6269, 0.2858,
0.3181

0.0000, 0.0000,
0.0000

41.1718, 0.2618,
0.3073

41.1718, 0.2618,
0.3073

38.0673, 0.2486,
0.2999

44.6257, 0.2760,
0.3143

35.2902, 0.2366,
0.2921

48.4401, 0.2909,
0.3207

32.8232, 0.2262,
0.2840

52.6314, 0.3061,
0.3266

30.6451, 0.2176,
0.2758

57.2134, 0.3213,
0.3319

28.7315, 0.2110,
0.2676

62.1992, 0.3365,
0.3367

■ 27.0530, 0.2063,
0.2594

■ 67.6013, 0.3513,
0.3410

■ 26.1772, 0.2041,
0.2548

■ 71.5806, 0.3582,
0.3451

■ 73.7752, 0.3572,
0.3496

■ 76.0292, 0.3562,
0.3539

Harmonies

Analogous

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



41.1718, 0.2716, 0.3319



41.1718, 0.2618, 0.3073



41.1718, 0.2648, 0.2902

Triad

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



41.1718, 0.2618, 0.3073



41.1718, 0.3321, 0.3033



41.1718, 0.3449, 0.3769

Complementary

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



41.1718, 0.2618, 0.3073



32.8142, 0.3859, 0.3495

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.



41.1718, 0.3625, 0.3665



41.1718, 0.2618, 0.3073



41.1718, 0.3552, 0.3241

Square

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



41.1718, 0.2618, 0.3073



41.1718, 0.3045, 0.2888



41.1718, 0.3665, 0.3469



41.1718, 0.3191, 0.3738

Rectangle

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



41.1718, 0.2618, 0.3073



41.1718, 0.2738, 0.2847



41.1718, 0.3665, 0.3469



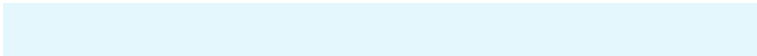
41.1718, 0.3520, 0.3748

Sweetspot

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



41.1734, 0.2618, 0.3073



89.8170, 0.2972, 0.3233



45.5930, 0.2983, 0.4079



19.4367, 0.2950, 0.3224



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.



41.1734, 0.2618, 0.3073



69.6254, 0.2520, 0.3019



29.3976, 0.2552, 0.2571



11.0333, 0.2984, 0.3237



17.1424, 0.2044, 0.2559



0.8373, 0.2095, 0.2741

Inverse Universe

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



30.3411, 0.3321, 0.2620



47.9290, 0.3375, 0.2480



44.2231, 0.3714, 0.3917



10.2076, 0.3171, 0.3113



9.0128, 0.3864, 0.1902



0.3992, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 41.1718, 0.2618, 0.3073 looks on a white background.

Color Contrast Check

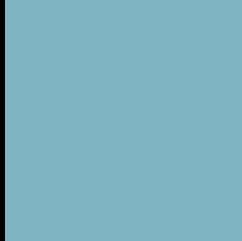
Large Text (above 18pt) WCAG AA × Fail

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 41.1718, 0.2618, 0.3073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

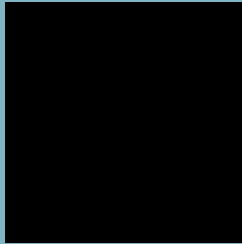
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.1718, 0.2618, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 41.1718, 0.2618, 0.3073.



This preview shows how white text looks on a background with the Yxy color 41.1718, 0.2618, 0.3073.

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

41.1718, 0.2618, 0.3073

Protanopia

40.8586, 0.2964, 0.3033

Deuteranopia

40.8286, 0.2944, 0.2883



Tritanopia

41.1718, 0.2618, 0.3073

Trichromacy



Original Color

41.1718, 0.2618, 0.3073

Protanomaly

40.9037, 0.2827, 0.3053

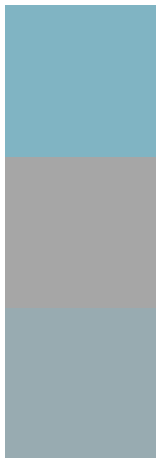
Deuteranomaly

40.8054, 0.2813, 0.2949

Tritanomaly

41.1718, 0.2618, 0.3073

Monochromacy



Original Color

41.1718, 0.2618, 0.3073

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.9755, 0.2913, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.1718, 0.2618, 0.3073 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(128, 180, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 180, 195) }
```

Border

The CSS property to change the border of an element to Yxy 41.1718, 0.2618, 0.3073 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, 195) }
```

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

```
.border{ border-color:rgb(128, 180, 195) }
```

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, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 180, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 180, 195);  
box-shadow:4px 4px 4px 4px rgb(128, 180,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 41.1718, 0.2618, 0.3073 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, 195) }
```

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

```
.background{ background-color: rgb(128,  
180, 195) }
```

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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