

Converting Colors

$Y_{xy}(40.4199, 0.2861, 0.3770)$

Have a look what the booklet for
Yxy(40.4199, 0.2861, 0.3770)
contains.

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Color

Yxy(40.2318, 0.2854, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	79B799
RGB	121, 183, 153
RGB Percent	47%, 72%, 60%
CMY	0.5257, 0.2823, 0.4000
CMYK	0.34, 0.00, 0.16, 0.28
HSL	151°, 30%, 60%
HSV	151°, 34%, 72%
XYZ	30.5620, 40.2318, 36.2911
YIQ	161.0420, -27.3220, -22.4740

Conversions

Conversions Part 2

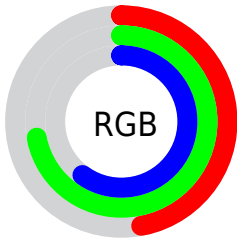
Format	Color
RYB	121, 162, 183
Decimal	7976857
CIELab	69.63, -26.57, 8.98
CIELCh	70, 28.044, 161.330
Yxy	40.2318, 0.2854, 0.3757
Android (android.graphics.Color)	4286166937 (0xFF79B799)
YUV	161.0420, -3.9647, -35.1168
Hunter-Lab	63.4285, -24.9926, 10.4768

Details

The Yxy color **40.2318, 0.2854, 0.3757** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.9625, 0.3530, 0.2869**, and the grayscale version is **35.6844, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3520, 0.2909, 0.3665**, and **18.1898, 0.2764, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **38.7534, 0.2788, 0.3924**, and if you desaturate by 10%, it is **41.9860, 0.2929, 0.3603**.

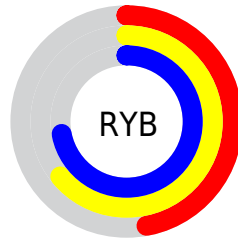
Distribution



Red (47%)

Green (72%)

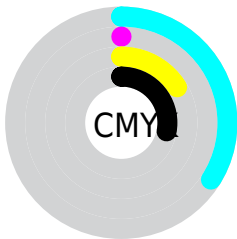
Blue (60%)



Red (47%)

Yellow (64%)

Blue (72%)

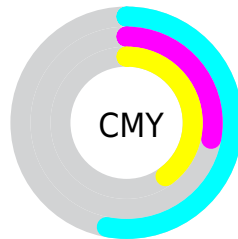


Cyan (34%)

Magenta (0%)

Yellow (16%)

Black (28%)



Cyan (53%)


Magenta (28%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2318, 0.2854, 0.3757 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 40.2318, 0.2854, 0.3757 by changing the saturation by 10% instead.


 40.2318, 0.2854,
0.3757


 40.2318, 0.2854,
0.3757


347.0996, 0.2997,
0.3510

 27.7193, 0.2816,
0.3823


 75.5164, 0.2908,
0.3664

 18.1142, 0.2765,
0.3911


 99.0572, 0.2927,
0.3630

 11.0320, 0.2696,
0.4034


 127.0430, 0.2944,
0.3602

 6.0884, 0.2593,
0.4216

159.8581, 0.2958,
0.3578

 2.8989, 0.2427,
0.4514

197.8869, 0.2970,
0.3557

 1.0792, 0.1846,
0.5456

241.5139, 0.2980,

 0.0000, 0.0000,

0.3540

0.0000

291.1233, 0.2989,
0.3524

■ 40.2318, 0.2854,
0.3757

■ 40.2318, 0.2854,
0.3757

■ 38.7534, 0.2788,
0.3924

■ 41.9860, 0.2929,
0.3603

■ 37.5311, 0.2734,
0.4101

■ 44.0246, 0.3010,
0.3462

■ 36.5504, 0.2695,
0.4287


■ 46.3618, 0.3094,
0.3336


■ 35.7934, 0.2674,
0.4475

■ 49.0096, 0.3179,
0.3223


■ 35.2392, 0.2673,
0.4663

■ 51.9792, 0.3264,
0.3123

 34.8631, 0.2691,
0.4844

 55.2811, 0.3347,
0.3035

 34.6904, 0.2708,
0.4950

 58.9255, 0.3427,
0.2958

 60.5035, 0.3403,
0.2876

 60.9957, 0.3332,
0.2790

Harmonies

Analogous

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



40.2318, 0.3257, 0.3999



40.2318, 0.2854, 0.3757



40.2318, 0.2538, 0.3368

Triad

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



40.2318, 0.2854, 0.3757



40.2318, 0.2607, 0.2624



40.2318, 0.3938, 0.3508

Complementary

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



40.2318, 0.2854, 0.3757



25.9625, 0.3530, 0.2869

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.



40.2318, 0.3743, 0.3174



40.2318, 0.2854, 0.3757



40.2318, 0.2955, 0.2684

Square

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



40.2318, 0.2854, 0.3757



40.2318, 0.2404, 0.2724



40.2318, 0.3374, 0.2881



40.2318, 0.3896, 0.3814

Rectangle

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



40.2318, 0.2854, 0.3757



40.2318, 0.2412, 0.3104



40.2318, 0.3374, 0.2881



40.2318, 0.3898, 0.3396

Sweetspot

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



40.2335, 0.2854, 0.3757



80.3401, 0.3041, 0.3413



41.9251, 0.3344, 0.4207



17.6185, 0.3029, 0.3431



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.2335, 0.2854, 0.3757



69.9473, 0.2802, 0.3886



41.3530, 0.2653, 0.3289



10.1355, 0.3048, 0.3403



24.2104, 0.2703, 0.4930



0.8659, 0.2574, 0.4466

Inverse Universe

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



25.9625, 0.3530, 0.2869



40.3477, 0.3661, 0.2771



25.1086, 0.3909, 0.3292



9.0826, 0.3214, 0.3180



7.5340, 0.5000, 0.2528



0.2781, 0.4420, 0.2209

Previews

White Background



This preview shows how the Yxy color 40.2318, 0.2854, 0.3757 looks on a white background.

Color Contrast Check

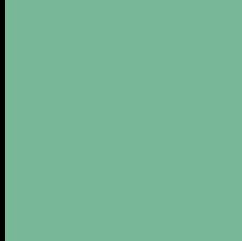
Large Text (above 18pt) WCAG AA × Fail

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 40.2318, 0.2854, 0.3757 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 40.2318, 0.2854, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 40.2318, 0.2854, 0.3757.



This preview shows how white text looks on a background with the Yxy color 40.2318, 0.2854, 0.3757.

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

40.2318, 0.2854, 0.3757

Protanopia

39.9162, 0.3413, 0.3610

Deuteranopia

39.5759, 0.3443, 0.3371



Tritanopia

40.3137, 0.2640, 0.3086

Trichromacy



Original Color

40.2318, 0.2854, 0.3757

Protanomaly

39.6101, 0.3181, 0.3656

Deuteranomaly

39.1491, 0.3200, 0.3491

Tritanomaly

40.2925, 0.2715, 0.3319

Monochromacy



Original Color

40.2318, 0.2854, 0.3757

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.9555, 0.3012, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2318, 0.2854, 0.3757 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(121, 183, 153)` looks like.

```
.text, #text, p{  
    color:rgb(121, 183, 153)  
}
```

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(121, 183, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 183, 153) }
```

Border

The CSS property to change the border of an element to Yxy 40.2318, 0.2854, 0.3757 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(121, 183, 153) }
```

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

```
.border{ border-color:rgb(121, 183, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 183, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 183, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 183, 153);  
box-shadow:4px 4px 4px 4px rgb(121, 183,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2318, 0.2854, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 183, 153) }
```

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

```
.background{ background-color: rgb(121,  
183, 153) }
```

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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