

Converting Colors

$Yxy(40.0586, 0.3147, 0.3796)$

Have a look what the booklet for
Yxy(40.0586, 0.3147, 0.3796)
contains.

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Color

Yxy(40.2440, 0.3146, 0.3797)

Conversions

Conversions Part 1

Format	Color
Hex	95B290
RGB	149, 178, 144
RGB Percent	58%, 70%, 56%
CMY	0.4158, 0.3019, 0.4352
CMYK	0.16, 0.00, 0.19, 0.30
HSL	111°, 18%, 63%
HSV	111°, 19%, 70%
XYZ	33.3441, 40.2440, 32.4008
YIQ	165.4530, -6.3700, -16.7220

Conversions

Conversions Part 2

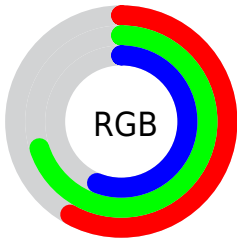
Format	Color
RYB	144, 178, 173
Decimal	9810576
CIELab	69.64, -16.51, 14.14
CIELCh	70, 21.736, 139.434
Yxy	40.2440, 0.3146, 0.3797
Android (android.graphics.Color)	4288000656 (0xFF95B290)
YUV	165.4530, -10.5763, -14.4293
Hunter-Lab	63.4382, -17.1943, 14.1246

Details

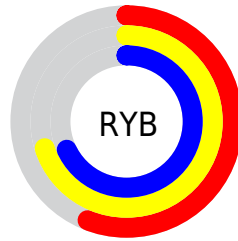
The Yxy color **40.2440, 0.3146, 0.3797** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.0572, 0.3099, 0.2818**, and the grayscale version is **37.9078, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6194, 0.3142, 0.3698**, and **18.0721, 0.3143, 0.3947** is the 20% darker color. If you saturate the color by 10%, you get **38.4054, 0.3152, 0.4105**, and if you desaturate by 10%, it is **42.3587, 0.3137, 0.3518**.

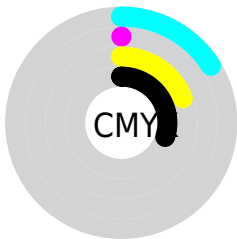
Distribution



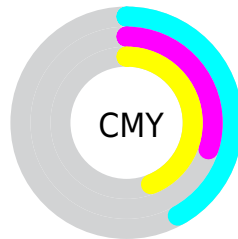
- Red (58%)
- Green (70%)
- Blue (56%)



- Red (56%)
- Yellow (70%)
- Blue (68%)



- Cyan (16%)
- Magenta (0%)
- Yellow (19%)
- Black (30%)





- Cyan (42%)
- Magenta (30%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2440, 0.3146, 0.3797 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 40.2440, 0.3146, 0.3797 by changing the saturation by 10% instead.


 40.2440, 0.3146,
0.3797

 40.2440, 0.3146,
0.3797


347.1509, 0.3140,
0.3530

 27.7288, 0.3146,
0.3868


 75.5349, 0.3145,
0.3696

 18.1214, 0.3145,
0.3963


 99.0795, 0.3144,
0.3660

 11.0371, 0.3142,
0.4094


127.0693, 0.3143,
0.3629

 6.0918, 0.3133,
0.4288

159.8887, 0.3143,
0.3603

 2.9010, 0.3110,
0.4602

197.9222, 0.3142,
0.3581

 1.0803, 0.3278,
0.5789

241.5542, 0.3141,

 0.0000, 0.0000,

0.3562

0.0000

291.1689, 0.3141,
0.3545

■ 40.2440, 0.3146,
0.3797

■ 40.2440, 0.3146,
0.3797

■ 38.4054, 0.3152,
0.4105

■ 42.3587, 0.3137,
0.3518

■ 36.8267, 0.3154,
0.4434

■ 44.7549, 0.3126,
0.3269

■ 35.4974, 0.3151,
0.4774

■ 47.4443, 0.3114,
0.3050

■ 34.4047, 0.3141,
0.5108

■ 50.4365, 0.3102,
0.2858

■ 33.5345, 0.3124,
0.5413

■ 53.7404, 0.3090,
0.2692

■ 32.8711, 0.3100,
0.5665

■ 57.3648, 0.3078,
0.2547

■ 32.3967, 0.3072,
0.5847

■ 60.3259, 0.3163,
0.2537

■ 32.0861, 0.3044,
0.5958

■ 32.0642, 0.3042,
0.5967

Harmonies

Analogous

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



40.2440, 0.3457, 0.3859



40.2440, 0.3146, 0.3797



40.2440, 0.2841, 0.3574

Triad

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



40.2440, 0.3146, 0.3797



40.2440, 0.2589, 0.2814



40.2440, 0.3660, 0.3274

Complementary

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



40.2440, 0.3146, 0.3797



32.0572, 0.3099, 0.2818

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.



40.2440, 0.3405, 0.3026



40.2440, 0.3146, 0.3797



40.2440, 0.2786, 0.2766

Square

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



40.2440, 0.3146, 0.3797



40.2440, 0.2530, 0.2992



40.2440, 0.3082, 0.2844



40.2440, 0.3764, 0.3538

Rectangle

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



40.2440, 0.3146, 0.3797



40.2440, 0.2680, 0.3374



40.2440, 0.3082, 0.2844



40.2440, 0.3588, 0.3187

Sweetspot

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



40.2457, 0.3146, 0.3797



78.0495, 0.3134, 0.3440



41.3342, 0.3422, 0.3690



17.2319, 0.3135, 0.3456



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.2457, 0.3146, 0.3797



71.4779, 0.3149, 0.3926



40.1737, 0.3011, 0.3619



9.5474, 0.3137, 0.3524



22.9560, 0.3046, 0.5963



0.7408, 0.3195, 0.5845

Inverse Universe

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



32.0572, 0.3099, 0.2818



53.8333, 0.3091, 0.2708



32.1744, 0.3266, 0.2982



8.5828, 0.3115, 0.3064



7.1044, 0.2849, 0.1343



0.2406, 0.2956, 0.1402

Previews

White Background



This preview shows how the Yxy color 40.2440, 0.3146, 0.3797 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 40.2440, 0.3146, 0.3797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

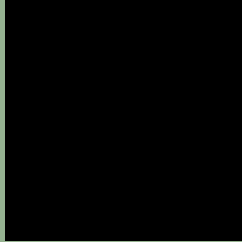
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2440, 0.3146, 0.3797

Background



This preview shows how black text looks on a background with the Yxy color 40.2440, 0.3146, 0.3797.



This preview shows how white text looks on a background with the Yxy color 40.2440, 0.3146, 0.3797.

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

40.2440, 0.3146, 0.3797

Protanopia

39.8531, 0.3477, 0.3694

Deuteranopia

39.7703, 0.3577, 0.3503



Tritanopia

40.1181, 0.2878, 0.3094

Trichromacy



Original Color

40.2440, 0.3146, 0.3797

Protanomaly

39.7530, 0.3354, 0.3734

Deuteranomaly

39.5456, 0.3415, 0.3597

Tritanomaly

39.9847, 0.2969, 0.3333

Monochromacy



Original Color

40.2440, 0.3146, 0.3797

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5547, 0.3136, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2440, 0.3146, 0.3797 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(149, 178, 144)` looks like.

```
.text, #text, p{  
    color:rgb(149, 178, 144)  
}
```

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(149, 178, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 178, 144) }
```

Border

The CSS property to change the border of an element to Yxy 40.2440, 0.3146, 0.3797 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(149, 178, 144) }
```

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

```
.border{ border-color:rgb(149, 178, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 178, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 178, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 178, 144);  
box-shadow:4px 4px 4px 4px rgb(149, 178,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2440, 0.3146, 0.3797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 178, 144) }
```

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

```
.background{ background-color: rgb(149,  
178, 144) }
```

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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