

Converting Colors

$Y_{xy}(40.5480, 0.3275, 0.4276)$

Have a look what the booklet for
Yxy(40.5480, 0.3275, 0.4276)
contains.

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Color

Yxy(40.4266, 0.3271, 0.4268)

Conversions

Conversions Part 1

Format	Color
Hex	8DB676
RGB	141, 182, 118
RGB Percent	55%, 71%, 46%
CMY	0.4470, 0.2863, 0.5372
CMYK	0.23, 0.00, 0.35, 0.29
HSL	98°, 30%, 59%
HSV	98°, 35%, 71%
XYZ	30.9830, 40.4266, 23.3107
YIQ	162.4450, -3.8920, -28.5960

Conversions

Conversions Part 2

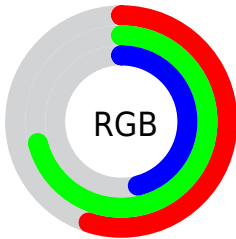
Format	Color
RYB	118, 182, 159
Decimal	9287286
CIELab	69.77, -25.60, 28.24
CIElCh	70, 38.113, 132.192
Yxy	40.4266, 0.3271, 0.4268
Android (android.graphics.Color)	4287477366 (0xFF8DB676)
YUV	162.4450, -21.9114, -18.8073
Hunter-Lab	63.5819, -24.2866, 22.7702

Details

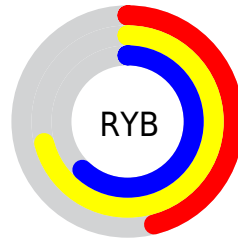
The Yxy color **40.4266, 0.3271, 0.4268** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **23.7070, 0.2916, 0.2365**, and the grayscale version is **36.4584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8251, 0.3255, 0.4066**, and **18.2540, 0.3280, 0.4591** is the 20% darker color. If you saturate the color by 10%, you get **39.0676, 0.3299, 0.4582**, and if you desaturate by 10%, it is **41.9802, 0.3235, 0.3964**.

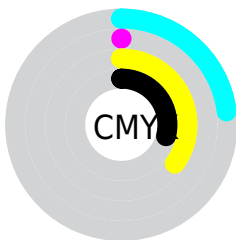
Distribution



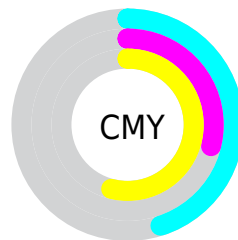
- Red (55%)
- Green (71%)
- Blue (46%)



- Red (46%)
- Yellow (71%)
- Blue (62%)



- Cyan (23%)
- Magenta (0%)
- Yellow (35%)
- Black (29%)





- Cyan (45%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4266, 0.3271, 0.4268 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 40.4266, 0.3271, 0.4268 by changing the saturation by 10% instead.


 40.4266, 0.3271,
0.4268


 40.4266, 0.3271,
0.4268


347.9184, 0.3212,
0.3746

 27.8713, 0.3280,
0.4408


 75.8127, 0.3253,
0.4071

 18.2287, 0.3287,
0.4594


 99.4123, 0.3246,
0.3999

 11.1143, 0.3289,
0.4850


 127.4621, 0.3238,
0.3939

 6.1438, 0.3272,
0.5222

160.3465, 0.3232,
0.3889

 2.9327, 0.3261,
0.5914

198.4500, 0.3226,
0.3845

 1.0967, 0.2689,
0.7311

242.1568, 0.3221,

 0.0000, 0.0000,

0.3808

0.0000

291.8515, 0.3216,
0.3775

■ 40.4266, 0.3271,
0.4268

■ 40.4266, 0.3271,
0.4268

■ 39.0676, 0.3299,
0.4582

■ 41.9802, 0.3235,
0.3964

■ 37.8898, 0.3315,
0.4894

■ 43.7308, 0.3194,
0.3678

■ 36.8863, 0.3317,
0.5187


■ 45.6872, 0.3150,
0.3416

■ 36.0472, 0.3301,
0.5444


■ 47.8563, 0.3106,
0.3178

■ 35.3619, 0.3269,
0.5648


■ 50.2445, 0.3062,
0.2966


 34.8178, 0.3222,
0.5789

 52.8580, 0.3020,
0.2777

 34.5949, 0.3198,
0.5843

 55.7027, 0.2980,
0.2610

 58.2174, 0.3001,
0.2540

 60.2595, 0.3091,
0.2560

Harmonies

Analogous

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



40.4266, 0.3793, 0.4263



40.4266, 0.3271, 0.4268



40.4266, 0.2736, 0.3924

Triad

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



40.4266, 0.3271, 0.4268



40.4266, 0.2177, 0.2521



40.4266, 0.3976, 0.3137

Complementary

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



40.4266, 0.3271, 0.4268



23.7070, 0.2916, 0.2365

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.



40.4266, 0.3471, 0.2758



40.4266, 0.3271, 0.4268



40.4266, 0.2443, 0.2409

Square

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



40.4266, 0.3271, 0.4268



40.4266, 0.2136, 0.2852



40.4266, 0.2904, 0.2499



40.4266, 0.4232, 0.3570

Rectangle

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



40.4266, 0.3271, 0.4268



40.4266, 0.2443, 0.3562



40.4266, 0.2904, 0.2499



40.4266, 0.3828, 0.3001

Sweetspot

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



40.4283, 0.3271, 0.4268



80.6457, 0.3177, 0.3571



35.8910, 0.3751, 0.3859



17.7084, 0.3182, 0.3607



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.



40.4283, 0.3271, 0.4268



71.4003, 0.3293, 0.4505



38.8294, 0.3018, 0.4186



10.2130, 0.3169, 0.3522



24.4640, 0.3206, 0.5836



0.8979, 0.3423, 0.5664

Inverse Universe

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



23.7070, 0.2916, 0.2365



36.6374, 0.2855, 0.2156



25.9389, 0.3260, 0.2535



8.9970, 0.3082, 0.3061



5.0746, 0.2334, 0.1059



0.2124, 0.2565, 0.1187

Previews

White Background



This preview shows how the Yxy color 40.4266, 0.3271, 0.4268 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 40.4266, 0.3271, 0.4268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

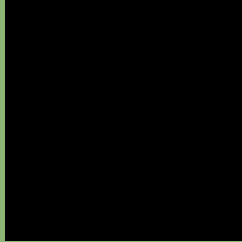
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4266, 0.3271, 0.4268

Background



This preview shows how black text looks on a background with the Yxy color 40.4266, 0.3271, 0.4268.



This preview shows how white text looks on a background with the Yxy color 40.4266, 0.3271, 0.4268.

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

40.4266, 0.3271, 0.4268

Protanopia

40.1321, 0.3762, 0.4067

Deuteranopia

40.1561, 0.3897, 0.3820



Tritanopia

40.1504, 0.2839, 0.3092

Trichromacy



Original Color

40.4266, 0.3271, 0.4268

Protanomaly

39.8347, 0.3570, 0.4136

Deuteranomaly

39.8332, 0.3653, 0.3970

Tritanomaly

39.9552, 0.2997, 0.3496

Monochromacy



Original Color

40.4266, 0.3271, 0.4268

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.3213, 0.3184, 0.3634

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4266, 0.3271, 0.4268 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(141, 182, 118)` looks like.

```
.text, #text, p{  
    color:rgb(141, 182, 118)  
}
```

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(141, 182, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 182, 118) }
```

Border

The CSS property to change the border of an element to Yxy 40.4266, 0.3271, 0.4268 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(141, 182, 118) }
```

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

```
.border{ border-color:rgb(141, 182, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 182, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 182, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 182, 118);  
box-shadow:4px 4px 4px 4px rgb(141, 182,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4266, 0.3271, 0.4268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 182, 118) }
```

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

```
.background{ background-color: rgb(141,  
182, 118) }
```

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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