

Converting Colors

$Y_{xy}(39.8351, 0.2825, 0.3659)$

Have a look what the booklet for
Yxy(39.8351, 0.2825, 0.3659)
contains.

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Color

Yxy(40.0621, 0.2826, 0.3661)

Conversions

Conversions Part 1

Format	Color
Hex	7AB69E
RGB	122, 182, 158
RGB Percent	48%, 71%, 62%
CMY	0.5215, 0.2863, 0.3805
CMYK	0.33, 0.00, 0.13, 0.29
HSL	156°, 29%, 60%
HSV	156°, 33%, 71%
XYZ	30.9247, 40.0621, 38.4425
YIQ	161.3240, -28.0560, -20.1840

Conversions

Conversions Part 2

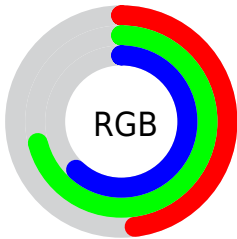
Format	Color
RYB	122, 160, 182
Decimal	8042142
CIELab	69.51, -24.70, 6.08
CIELCh	70, 25.436, 166.167
Yxy	40.0621, 0.2826, 0.3661
Android (android.graphics.Color)	4286232222 (0xFF7AB69E)
YUV	161.3240, -1.6387, -34.4871
Hunter-Lab	63.2946, -23.5533, 8.2959

Details

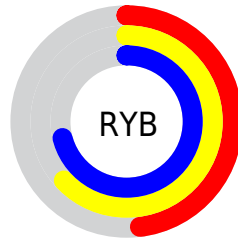
The Yxy color **40.0621, 0.2826, 0.3661** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **25.9423, 0.3575, 0.2950**, and the grayscale version is **35.8174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1833, 0.2881, 0.3581**, and **18.0641, 0.2726, 0.3779** is the 20% darker color. If you saturate the color by 10%, you get **38.6136, 0.2750, 0.3796**, and if you desaturate by 10%, it is **41.7775, 0.2911, 0.3536**.

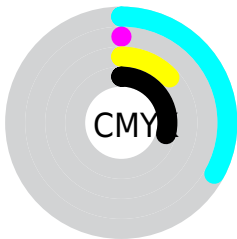
Distribution



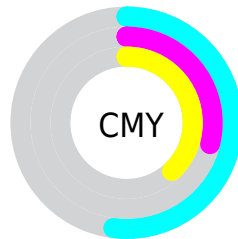
- Red (48%)
- Green (71%)
- Blue (62%)



- Red (48%)
- Yellow (63%)
- Blue (71%)



- Cyan (33%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)





- Cyan (52%)
- Magenta (29%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0621, 0.2826, 0.3661 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 40.0621, 0.2826, 0.3661 by changing the saturation by 10% instead.


 40.0621, 0.2826,
0.3661

 40.0621, 0.2826,
0.3661

346.3852, 0.2982,
0.3466


 27.5870, 0.2785,
0.3713


 75.2581, 0.2884,
0.3588

 18.0145, 0.2731,
0.3781


 98.7477, 0.2906,
0.3561

 10.9604, 0.2657,
0.3876


 126.6776, 0.2924,
0.3539

 6.0402, 0.2550,
0.4017

159.4322, 0.2939,
0.3520

 2.8696, 0.2379,
0.4244

197.3959, 0.2952,
0.3504

 1.0640, 0.1823,
0.4872

240.9530, 0.2963,

 0.0000, 0.0000,

0.3490

0.0000

290.4880, 0.2974,
0.3477

■ 40.0621, 0.2826,
0.3661

■ 40.0621, 0.2826,
0.3661

■ 38.6136, 0.2750,
0.3796

■ 41.7775, 0.2911,
0.3536

■ 37.4130, 0.2687,
0.3940

■ 43.7681, 0.3003,
0.3422

■ 36.4464, 0.2640,
0.4090


■ 46.0476, 0.3098,
0.3319


■ 35.6964, 0.2611,
0.4245

■ 48.6276, 0.3196,
0.3226

■ 35.1431, 0.2601,
0.4400


■ 51.5188, 0.3293,
0.3144


 34.7627, 0.2612,
0.4552

 54.7316, 0.3388,
0.3072

 34.5648, 0.2627,
0.4658

 58.2756, 0.3482,
0.3008

 59.6899, 0.3467,
0.2940

 60.0758, 0.3407,
0.2868

Harmonies

Analogous

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



40.0621, 0.3187, 0.3908



40.0621, 0.2826, 0.3661



40.0621, 0.2556, 0.3303

Triad

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



40.0621, 0.2826, 0.3661



40.0621, 0.2697, 0.2680



40.0621, 0.3871, 0.3541

Complementary

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



40.0621, 0.2826, 0.3661



25.9423, 0.3575, 0.2950

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.



40.0621, 0.3727, 0.3235



40.0621, 0.2826, 0.3661



40.0621, 0.3032, 0.2757

Square

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



40.0621, 0.2826, 0.3661



40.0621, 0.2486, 0.2750



40.0621, 0.3412, 0.2955



40.0621, 0.3801, 0.3807

Rectangle

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



40.0621, 0.2826, 0.3661



40.0621, 0.2457, 0.3071



40.0621, 0.3412, 0.2955



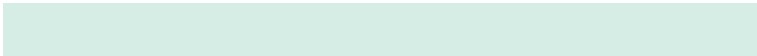
40.0621, 0.3847, 0.3440

Sweetspot

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



40.0637, 0.2826, 0.3661



80.4489, 0.3029, 0.3392



41.0665, 0.3294, 0.4191



17.6456, 0.3016, 0.3407



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.



40.0637, 0.2826, 0.3661



70.5633, 0.2767, 0.3764



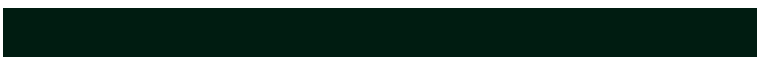
38.9616, 0.2655, 0.3214



10.1481, 0.3037, 0.3383



24.4214, 0.2622, 0.4640



0.8728, 0.2514, 0.4251

Inverse Universe

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



25.9423, 0.3575, 0.2950



40.7690, 0.3726, 0.2868



26.5311, 0.3854, 0.3364



9.0702, 0.3227, 0.3199



7.3739, 0.5345, 0.2718



0.2723, 0.4665, 0.2343

Previews

White Background



This preview shows how the Yxy color 40.0621, 0.2826, 0.3661 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 40.0621, 0.2826, 0.3661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

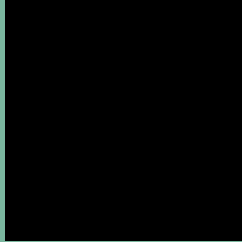
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0621, 0.2826, 0.3661

Background



This preview shows how black text looks on a background with the Yxy color 40.0621, 0.2826, 0.3661.



This preview shows how white text looks on a background with the Yxy color 40.0621, 0.2826, 0.3661.

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

40.0621, 0.2826, 0.3661

Protanopia

39.8404, 0.3349, 0.3541

Deuteranopia

39.4944, 0.3376, 0.3304



Tritanopia

39.8730, 0.2645, 0.3085

Trichromacy



Original Color

40.0621, 0.2826, 0.3661

Protanomaly

39.6731, 0.3131, 0.3582

Deuteranomaly

39.2152, 0.3148, 0.3418

Tritanomaly

39.9305, 0.2707, 0.3289

Monochromacy



Original Color

40.0621, 0.2826, 0.3661

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

37.1170, 0.3005, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0621, 0.2826, 0.3661 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(122, 182, 158)` looks like.

```
.text, #text, p{  
    color:rgb(122, 182, 158)  
}
```

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(122, 182, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 182, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.0621, 0.2826, 0.3661 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(122, 182, 158) }
```

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

```
.border{ border-color:rgb(122, 182, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 182, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 182, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 182, 158); box-shadow:4px 4px 4px 4px rgb(122, 182, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0621, 0.2826, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 182, 158) }
```

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

```
.background{ background-color: rgb(122,  
182, 158) }
```

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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