

Converting Colors

$Yxy(41.4841, 0.2775, 0.3697)$

Have a look what the booklet for
Yxy(41.4841, 0.2775, 0.3697)
contains.

Yxy(41.3689, 0.2775, 0.3691)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.3689, 0.2775, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	74BAA0
RGB	116, 186, 160
RGB Percent	45%, 73%, 63%
CMY	0.5453, 0.2705, 0.3725
CMYK	0.38, 0.00, 0.14, 0.27
HSL	158°, 34%, 59%
HSV	158°, 38%, 73%
XYZ	31.1023, 41.3689, 39.6092
YIQ	162.1060, -33.3740, -22.9260

Conversions

Conversions Part 2

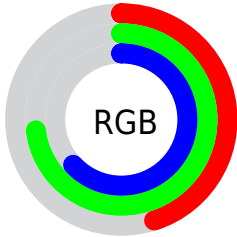
Format	Color
RYB	116, 159, 186
Decimal	7649952
CIELab	70.43, -28.01, 6.25
CIELCh	70, 28.696, 167.416
Yxy	41.3689, 0.2775, 0.3691
Android (android.graphics.Color)	4285840032 (0xFF74BAA0)
YUV	162.1060, -1.0383, -40.4350
Hunter-Lab	64.3187, -26.2411, 8.5106

Details

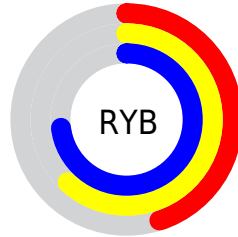
The Yxy color **41.3689, 0.2775, 0.3691** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **24.8712, 0.3692, 0.2927**, and the grayscale version is **36.1963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9566, 0.2838, 0.3604**, and **18.6634, 0.2660, 0.3801** is the 20% darker color. If you saturate the color by 10%, you get **39.9866, 0.2702, 0.3820**, and if you desaturate by 10%, it is **43.0231, 0.2859, 0.3571**.

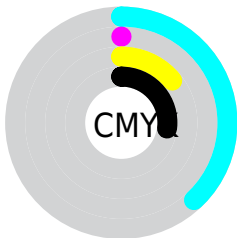
Distribution



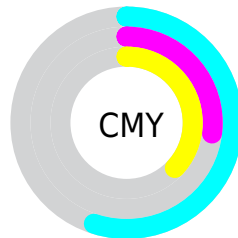
- Red (45%)
- Green (73%)
- Blue (63%)



- Red (45%)
- Yellow (62%)
- Blue (73%)



- Cyan (38%)
- Magenta (0%)
- Yellow (14%)
- Black (27%)





- Cyan (55%)
- Magenta (27%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.3689, 0.2775, 0.3691 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 41.3689, 0.2775, 0.3691 by changing the saturation by 10% instead.


 41.3689, 0.2775,
0.3691


 41.3689, 0.2775,
0.3691


351.8601, 0.2957,
0.3481

 28.6074, 0.2728,
0.3746


 77.2436, 0.2842,
0.3613

 18.7841, 0.2666,
0.3820


 101.1256, 0.2867,
0.3584

 11.5144, 0.2582,
0.3921


 129.4833, 0.2888,
0.3560

 6.4139, 0.2460,
0.4069

162.7010, 0.2906,
0.3539

 3.0984, 0.2270,
0.4306

201.1631, 0.2921,
0.3522

 1.1833, 0.1713,
0.4894

245.2541, 0.2935,

 0.0480, 0.0000,

0.3507

1.0000

295.3583, 0.2946,
0.3493

■ 0.0000, 0.0000,
0.0000

■ 41.3689, 0.2775,
0.3691

■ 41.3689, 0.2775,
0.3691

■ 39.9866, 0.2702,
0.3820

■ 43.0231, 0.2859,
0.3571

■ 38.8558, 0.2644,
0.3955

■ 44.9585, 0.2952,
0.3461

■ 37.9607, 0.2602,
0.4096


■ 47.1900, 0.3050,
0.3360

■ 37.2822, 0.2580,
0.4239


■ 49.7299, 0.3151,
0.3270


■ 36.7975, 0.2578,
0.4382

■ 52.5900, 0.3253,
0.3189


 36.4728, 0.2594,
0.4522

 55.7812, 0.3354,
0.3118

 36.4065, 0.2598,
0.4554

 59.3141, 0.3453,
0.3055

 61.3006, 0.3469,
0.2991

 61.6635, 0.3413,
0.2923

Harmonies

Analogous

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



41.3689, 0.3173, 0.3978



41.3689, 0.2775, 0.3691



41.3689, 0.2483, 0.3285

Triad

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



41.3689, 0.2775, 0.3691



41.3689, 0.2662, 0.2615



41.3689, 0.3960, 0.3578

Complementary

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



41.3689, 0.2775, 0.3691



24.8712, 0.3692, 0.2927

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.



41.3689, 0.3809, 0.3239



41.3689, 0.2775, 0.3691



41.3689, 0.3036, 0.2707

Square

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



41.3689, 0.2775, 0.3691



41.3689, 0.2423, 0.2682



41.3689, 0.3461, 0.2930



41.3689, 0.3869, 0.3873

Rectangle

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



41.3689, 0.2775, 0.3691



41.3689, 0.2380, 0.3027



41.3689, 0.3461, 0.2930



41.3689, 0.3936, 0.3466

Sweetspot

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



41.3706, 0.2775, 0.3691



84.0384, 0.3015, 0.3394



42.2046, 0.3293, 0.4343



18.3842, 0.3002, 0.3408



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



41.3706, 0.2775, 0.3691



72.9139, 0.2715, 0.3794



39.0313, 0.2591, 0.3166



10.1526, 0.3033, 0.3376



24.5048, 0.2593, 0.4536



0.8754, 0.2493, 0.4175

Inverse Universe

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



24.8712, 0.3692, 0.2927



38.8055, 0.3874, 0.2851



26.1467, 0.3992, 0.3408



9.0659, 0.3231, 0.3205



7.3257, 0.5462, 0.2783



0.2704, 0.4753, 0.2392

Previews

White Background



This preview shows how the Yxy color 41.3689, 0.2775, 0.3691 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 41.3689, 0.2775, 0.3691 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 41.3689, 0.2775, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 41.3689, 0.2775, 0.3691.



This preview shows how white text looks on a background with the Yxy color 41.3689, 0.2775, 0.3691.

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

41.3689, 0.2775, 0.3691

Protanopia

40.9765, 0.3365, 0.3552

Deuteranopia

41.0291, 0.3381, 0.3317



Tritanopia

41.3184, 0.2588, 0.3072

Trichromacy



Original Color

41.3689, 0.2775, 0.3691

Protanomaly

40.4851, 0.3122, 0.3595

Deuteranomaly

40.4240, 0.3129, 0.3432

Tritanomaly

41.3508, 0.2654, 0.3289

Monochromacy



Original Color

41.3689, 0.2775, 0.3691

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.7188, 0.2979, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.3689, 0.2775, 0.3691 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(116, 186, 160)` looks like.

```
.text, #text, p{  
    color:rgb(116, 186, 160)  
}
```

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(116, 186, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 186, 160) }
```

Border

The CSS property to change the border of an element to Yxy 41.3689, 0.2775, 0.3691 is called "border". The border property can be set on classes, ids or directly on the HTML element.

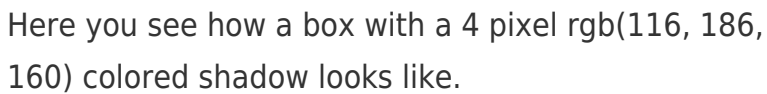
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 186, 160) }
```

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

```
.border{ border-color:rgb(116, 186, 160) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 186, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 186, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 186, 160);  
box-shadow:4px 4px 4px 4px rgb(116, 186,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 41.3689, 0.2775, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 186, 160) }
```

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

```
.background{ background-color: rgb(116,  
186, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor