

Converting Colors

$Y_{xy}(25.6633, 0.3105, 0.3969)$

Have a look what the booklet for
Yxy(25.6633, 0.3105, 0.3969)
contains.

Yxy(25.7723, 0.3105, 0.3973)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.7723, 0.3105, 0.3973)

Conversions

Conversions Part 1

Format	Color
Hex	70946F
RGB	112, 148, 111
RGB Percent	44%, 58%, 44%
CMY	0.5608, 0.4196, 0.5647
CMYK	0.24, 0.00, 0.25, 0.42
HSL	118°, 15%, 51%
HSV	118°, 25%, 58%
XYZ	20.1417, 25.7723, 18.9546
YIQ	133.0180, -9.5790, -19.1390

Conversions

Conversions Part 2

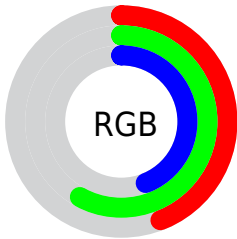
Format	Color
R_{YB}	111, 148, 147
Decimal	7378031
CIE _{Lab}	57.82, -20.10, 15.60
CIE _{LCh}	58, 25.442, 142.171
Yxy	25.7723, 0.3105, 0.3973
Android (android.graphics.Color)	4285568111 (0xFF70946F)
YUV	133.0180, -10.8549, -18.4328
Hunter-Lab	50.7664, -18.0209, 13.3995

Details

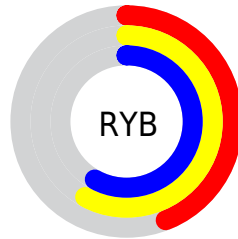
The Yxy color $25.7723, 0.3105, 0.3973$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.7136, 0.3143, 0.2686$, and the grayscale version is $23.5060, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.7779, 0.3110, 0.3814$, and $9.9650, 0.3082, 0.4253$ is the 20% darker color. If you saturate the color by 10%, you get $24.6034, 0.3093, 0.4298$, and if you desaturate by 10%, it is $27.1486, 0.3115, 0.3676$.

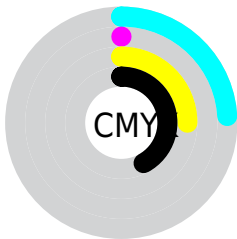
Distribution



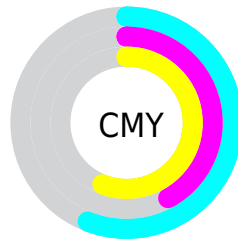
- Red (44%)
- Green (58%)
- Blue (44%)



- Red (44%)
- Yellow (58%)
- Blue (58%)



- Cyan (24%)
- Magenta (0%)
- Yellow (25%)
- Black (42%)




- Cyan (56%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7723, 0.3105, 0.3973 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 25.7723, 0.3105, 0.3973 by changing the saturation by 10% instead.


 25.7723, 0.3105,
0.3973


 25.7723, 0.3105,
0.3973


281.6625, 0.3124,
0.3585


 16.6534, 0.3096,
0.4090


 52.9074, 0.3115,
0.3818


 9.9877, 0.3081,
0.4254


 71.6923, 0.3117,
0.3765

 5.3908, 0.3052,
0.4500

 94.4681, 0.3119,
0.3721

 2.4783, 0.2990,
0.4909

 121.6190, 0.3121,
0.3684

 0.8658, 0.2774,
0.7226

153.5295, 0.3122,
0.3654

 0.0000, 0.0000,
0.0000

190.5840, 0.3123,

0.3627

233.1669, 0.3124,
0.3604

■ 25.7723, 0.3105,
0.3973

■ 25.7723, 0.3105,
0.3973

■ 24.6034, 0.3093,
0.4298

■ 27.1486, 0.3115,
0.3676

■ 23.6287, 0.3079,
0.4642

■ 28.7382, 0.3124,
0.3410

■ 22.8387, 0.3064,
0.4988


■ 30.5507, 0.3130,
0.3177

■ 22.2218, 0.3049,
0.5315

■ 32.5944, 0.3136,
0.2975


■ 21.7650, 0.3034,
0.5596


■ 34.8769, 0.3140,
0.2800


 21.4535, 0.3020,
0.5809

 37.4057, 0.3144,
0.2649

 21.2692, 0.3009,
0.5943

 40.1877, 0.3147,
0.2519

 21.2062, 0.3007,
0.5994

 43.2298, 0.3149,
0.2407

 46.5384, 0.3151,
0.2311

Harmonies

Analogous

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



25.7723, 0.3530, 0.4071



25.7723, 0.3105, 0.3973



25.7723, 0.2704, 0.3644

Triad

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



25.7723, 0.3105, 0.3973



25.7723, 0.2426, 0.2637



25.7723, 0.3876, 0.3291

Complementary

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



25.7723, 0.3105, 0.3973



19.7136, 0.3143, 0.2686

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.



25.7723, 0.3540, 0.2963



25.7723, 0.3105, 0.3973



25.7723, 0.2698, 0.2596

Square

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



25.7723, 0.3105, 0.3973



25.7723, 0.2330, 0.2851



25.7723, 0.3102, 0.2716



25.7723, 0.3994, 0.3640

Rectangle

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



25.7723, 0.3105, 0.3973



25.7723, 0.2501, 0.3359



25.7723, 0.3102, 0.2716



25.7723, 0.3784, 0.3177

Sweetspot

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



25.7734, 0.3105, 0.3973



50.0707, 0.3122, 0.3465



28.2399, 0.3497, 0.3875



11.3962, 0.3121, 0.3478



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



25.7734, 0.3105, 0.3973



44.2735, 0.3099, 0.4152



26.1266, 0.2940, 0.3647



6.4754, 0.3120, 0.3518



18.1148, 0.3008, 0.5994



0.2232, 0.3049, 0.5961

Inverse Universe

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



19.7136, 0.3143, 0.2686



31.6986, 0.3146, 0.2550



19.2990, 0.3370, 0.2959



5.9014, 0.3133, 0.3072



6.8958, 0.3144, 0.1506



0.0864, 0.3179, 0.1525

Previews

White Background



This preview shows how the Yxy color 25.7723, 0.3105, 0.3973 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7723, 0.3105, 0.3973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

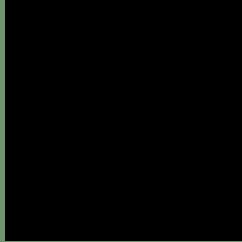
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

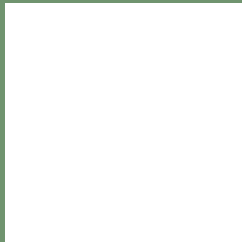
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.7723, 0.3105, 0.3973

Background



This preview shows how black text looks on a background with the Yxy color 25.7723, 0.3105, 0.3973.



This preview shows how white text looks on a background with the Yxy color 25.7723, 0.3105, 0.3973.

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

25.7723, 0.3105, 0.3973

Protanopia

25.5344, 0.3572, 0.3807

Deuteranopia

25.4635, 0.3659, 0.3594



Tritanopia

25.6010, 0.2784, 0.3084

Trichromacy



Original Color

25.7723, 0.3105, 0.3973

Protanomaly

25.5796, 0.3395, 0.3882

Deuteranomaly

25.2089, 0.3448, 0.3715

Tritanomaly

25.4945, 0.2899, 0.3396

Monochromacy



Original Color

25.7723, 0.3105, 0.3973

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.0176, 0.3116, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7723, 0.3105, 0.3973 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(112, 148, 111)` looks like.

```
.text, #text, p{  
    color:rgb(112, 148, 111)  
}
```

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(112, 148, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 148, 111) }
```

Border

The CSS property to change the border of an element to Yxy 25.7723, 0.3105, 0.3973 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(112, 148, 111) }
```

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

```
.border{ border-color:rgb(112, 148, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 148, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 148, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 148, 111);  
box-shadow:4px 4px 4px 4px rgb(112, 148,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7723, 0.3105, 0.3973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 148, 111) }
```

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

```
.background{ background-color: rgb(112,  
148, 111) }
```

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