

Converting Colors

$Y_{xy}(25.4672, 0.3046, 0.3731)$

Have a look what the booklet for
Yxy(25.4672, 0.3046, 0.3731)
contains.

Yxy(25.5831, 0.3045, 0.3745)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.5831, 0.3045, 0.3745)

Conversions

Conversions Part 1

Format	Color
Hex	739279
RGB	115, 146, 121
RGB Percent	45%, 57%, 47%
CMY	0.5490, 0.4274, 0.5255
CMYK	0.21, 0.00, 0.17, 0.43
HSL	132°, 12%, 51%
HSV	132°, 21%, 57%
XYZ	20.8012, 25.5831, 21.9284
YIQ	133.8810, -10.4510, -14.3470

Conversions

Conversions Part 2

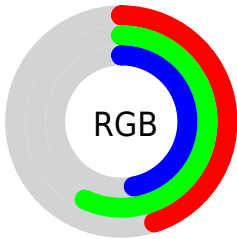
Format	Color
R_{YB}	115, 141, 146
Decimal	7574137
CIE _{Lab}	57.64, -16.10, 9.73
CIE _{LCh}	58, 18.809, 148.841
Yxy	25.5831, 0.3045, 0.3745
Android (android.graphics.Color)	4285764217 (0xFF739279)
YUV	133.8810, -6.3503, -16.5586
Hunter-Lab	50.5797, -15.1054, 9.7012

Details

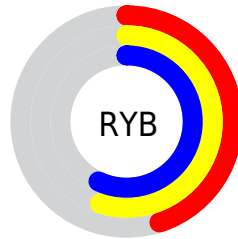
The Yxy color $25.5831, 0.3045, 0.3745$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.2698, 0.3222, 0.2874$, and the grayscale version is $23.8220, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.5412, 0.3064, 0.3648$, and $9.8105, 0.3010, 0.3932$ is the 20% darker color. If you saturate the color by 10%, you get $24.3997, 0.3007, 0.3999$, and if you desaturate by 10%, it is $26.9607, 0.3084, 0.3516$.

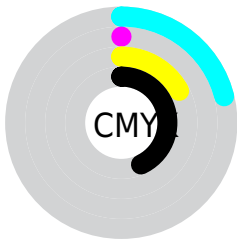
Distribution



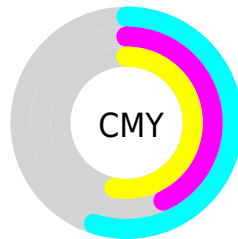
- Red (45%)
- Green (57%)
- Blue (47%)



- Red (45%)
- Yellow (55%)
- Blue (57%)



- Cyan (21%)
- Magenta (0%)
- Yellow (17%)
- Black (43%)





- Cyan (55%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5831, 0.3045, 0.3745 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 25.5831, 0.3045, 0.3745 by changing the saturation by 10% instead.


 25.5831, 0.3045,
0.3745


 25.5831, 0.3045,
0.3745


280.7295, 0.3094,
0.3488


 16.5120, 0.3030,
0.3821


 52.6016, 0.3065,
0.3643


 9.8872, 0.3007,
0.3929


 71.3178, 0.3072,
0.3608

 5.3242, 0.2972,
0.4089

 94.0179, 0.3077,
0.3579

 2.4387, 0.2909,
0.4357

 121.0862, 0.3081,
0.3555

 0.8457, 0.2745,
0.5649

152.9071, 0.3085,
0.3534

 0.0000, 0.0000,
0.0000

189.8650, 0.3088,

0.3517

232.3444, 0.3091,
0.3501

■ 25.5831, 0.3045,
0.3745

■ 25.5831, 0.3045,
0.3745

■ 24.3997, 0.3007,
0.3999

■ 26.9607, 0.3084,
0.3516

■ 23.3988, 0.2973,
0.4274

■ 28.5374, 0.3122,
0.3313

■ 22.5719, 0.2944,
0.4565

■ 30.3219, 0.3160,
0.3134

■ 21.9092, 0.2923,
0.4861

■ 32.3214, 0.3196,
0.2978

■ 21.3993, 0.2912,
0.5148

■ 34.5428, 0.3230,
0.2843

■ 21.0296, 0.2914,
0.5411

■ 36.9926, 0.3262,
0.2725

■ 20.7855, 0.2926,
0.5632

■ 39.6771, 0.3291,
0.2622

■ 20.6427, 0.2941,
0.5786

■ 42.6023, 0.3318,
0.2534

■ 45.7742, 0.3344,
0.2457

Harmonies

Analogous

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



25.5831, 0.3365, 0.3863



25.5831, 0.3045, 0.3745



25.5831, 0.2757, 0.3484

Triad

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



25.5831, 0.3045, 0.3745



25.5831, 0.2634, 0.2782



25.5831, 0.3715, 0.3358

Complementary

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



25.5831, 0.3045, 0.3745



20.2698, 0.3222, 0.2874

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.



25.5831, 0.3499, 0.3098



25.5831, 0.3045, 0.3745



25.5831, 0.2870, 0.2774

Square

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



25.5831, 0.3045, 0.3745



25.5831, 0.2529, 0.2921



25.5831, 0.3185, 0.2889



25.5831, 0.3763, 0.3616

Rectangle

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



25.5831, 0.3045, 0.3745



25.5831, 0.2619, 0.3276



25.5831, 0.3185, 0.2889



25.5831, 0.3659, 0.3269

Sweetspot

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



25.5842, 0.3045, 0.3745



48.9353, 0.3104, 0.3410



27.3995, 0.3373, 0.3812



10.8517, 0.3101, 0.3421



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



25.5842, 0.3045, 0.3745



44.1974, 0.3029, 0.3851



25.9868, 0.2907, 0.3464



6.4856, 0.3092, 0.3473



18.1682, 0.2939, 0.5779



0.2257, 0.2755, 0.5120

Inverse Universe

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



20.2698, 0.3222, 0.2874



33.2643, 0.3244, 0.2788



19.8520, 0.3410, 0.3123



5.8902, 0.3165, 0.3113



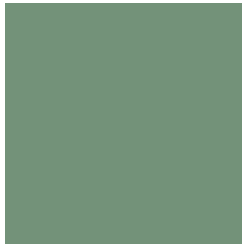
6.5282, 0.3752, 0.1840



0.0839, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 25.5831, 0.3045, 0.3745 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 25.5831, 0.3045, 0.3745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

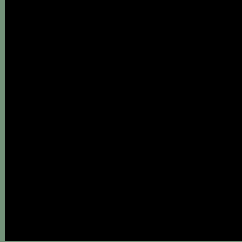
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5831, 0.3045, 0.3745

Background



This preview shows how black text looks on a background with the Yxy color 25.5831, 0.3045, 0.3745.



This preview shows how white text looks on a background with the Yxy color 25.5831, 0.3045, 0.3745.

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

25.5831, 0.3045, 0.3745

Protanopia

25.4811, 0.3428, 0.3643

Deuteranopia

25.3984, 0.3507, 0.3435



Tritanopia

25.7109, 0.2812, 0.3102

Trichromacy



Original Color

25.5831, 0.3045, 0.3745

Protanomaly

25.4261, 0.3284, 0.3690

Deuteranomaly

25.3578, 0.3329, 0.3544

Tritanomaly

25.4899, 0.2900, 0.3324

Monochromacy



Original Color

25.5831, 0.3045, 0.3745

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.2740, 0.3098, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5831, 0.3045, 0.3745 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(115, 146, 121)` looks like.

```
.text, #text, p{  
    color:rgb(115, 146, 121)  
}
```

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(115, 146, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 146, 121) }
```

Border

The CSS property to change the border of an element to Yxy 25.5831, 0.3045, 0.3745 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(115, 146, 121) }
```

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

```
.border{ border-color:rgb(115, 146, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 146, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 146, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 146, 121);  
box-shadow:4px 4px 4px 4px rgb(115, 146,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5831, 0.3045, 0.3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 146, 121) }
```

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

```
.background{ background-color: rgb(115,  
146, 121) }
```

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