

Converting Colors

$Y_{xy}(25.7657, 0.3162, 0.3868)$

Have a look what the booklet for
Yxy(25.7657, 0.3162, 0.3868)
contains.

Yxy(25.7657, 0.3162, 0.3868)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.7657, 0.3162, 0.3868)

Conversions

Conversions Part 1

Format	Color
Hex	789272
RGB	120, 146, 114
RGB Percent	47%, 57%, 45%
CMY	0.5294, 0.4274, 0.5529
CMYK	0.18, 0.00, 0.22, 0.43
HSL	109°, 13%, 51%
HSV	109°, 22%, 57%
XYZ	21.0629, 25.7657, 19.7839
YIQ	134.5780, -5.2240, -15.4640

Conversions

Conversions Part 2

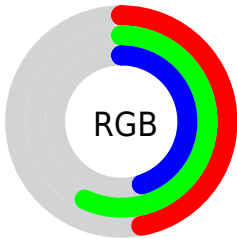
Format	Color
RYB	114, 146, 140
Decimal	7901810
CIELab	57.81, -15.59, 13.99
CIELCh	58, 20.946, 138.104
Yxy	25.7657, 0.3162, 0.3868
Android (android.graphics.Color)	4286091890 (0xFF789272)
YUV	134.5780, -10.1450, -12.7849
Hunter-Lab	50.7599, -14.7612, 12.4234

Details

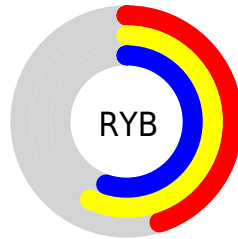
The Yxy color $25.7657, 0.3162, 0.3868$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.6864, 0.3078, 0.2752$, and the grayscale version is $24.1049, 0.3127, 0.3290$.

A 20% lighter version of the original color is $52.9460, 0.3161, 0.3738$, and $9.9174, 0.3164, 0.4089$ is the 20% darker color. If you saturate the color by 10%, you get $24.6641, 0.3173, 0.4174$, and if you desaturate by 10%, it is $27.0276, 0.3147, 0.3588$.

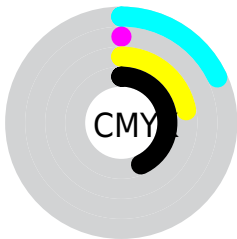
Distribution



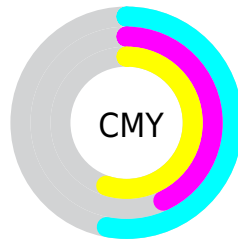
- Red (47%)
- Green (57%)
- Blue (45%)



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



- Cyan (18%)
- Magenta (0%)
- Yellow (22%)
- Black (43%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7657, 0.3162, 0.3868 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 25.7657, 0.3162, 0.3868 by changing the saturation by 10% instead.


 25.7657, 0.3162,
0.3868


 25.7657, 0.3162,
0.3868


281.6300, 0.3148,
0.3541


 16.6484, 0.3164,
0.3965


 52.8967, 0.3158,
0.3739

 9.9842, 0.3164,
0.4101


 71.6793, 0.3156,
0.3693

 5.3885, 0.3159,
0.4305


 94.4524, 0.3154,
0.3656

 2.4769, 0.3141,
0.4640

 121.6004, 0.3153,
0.3626

 0.8651, 0.3380,
0.6620

153.5078, 0.3151,
0.3600

 0.0000, 0.0000,
0.0000

190.5590, 0.3150,

0.3577

233.1382, 0.3149,
0.3558

■ 25.7657, 0.3162,
0.3868

■ 25.7657, 0.3162,
0.3868

■ 24.6641, 0.3173,
0.4174

■ 27.0276, 0.3147,
0.3588

■ 23.7133, 0.3180,
0.4497

■ 28.4525, 0.3131,
0.3335

■ 22.9075, 0.3179,
0.4828

■ 30.0472, 0.3113,
0.3111

■ 22.2393, 0.3171,
0.5148

■ 31.8170, 0.3095,
0.2913

■ 21.7010, 0.3154,
0.5437

■ 33.7671, 0.3077,
0.2740

■ 21.2836, 0.3127,
0.5675

■ 35.9024, 0.3060,
0.2589

■ 20.9772, 0.3095,
0.5845

■ 38.2278, 0.3043,
0.2458

■ 20.7965, 0.3070,
0.5944

■ 40.7476, 0.3028,
0.2342

■ 43.4665, 0.3013,
0.2242

Harmonies

Analogous

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



25.7657, 0.3507, 0.3926



25.7657, 0.3162, 0.3868



25.7657, 0.2820, 0.3623

Triad

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



25.7657, 0.3162, 0.3868



25.7657, 0.2523, 0.2765



25.7657, 0.3714, 0.3257

Complementary

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



25.7657, 0.3162, 0.3868



19.6864, 0.3078, 0.2752

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.



25.7657, 0.3422, 0.2985



25.7657, 0.3162, 0.3868



25.7657, 0.2734, 0.2707

Square

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



25.7657, 0.3162, 0.3868



25.7657, 0.2464, 0.2967



25.7657, 0.3060, 0.2789



25.7657, 0.3839, 0.3550

Rectangle

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



25.7657, 0.3162, 0.3868



25.7657, 0.2639, 0.3398



25.7657, 0.3060, 0.2789



25.7657, 0.3631, 0.3161

Sweetspot

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



25.7668, 0.3162, 0.3868



48.8421, 0.3139, 0.3464



25.9661, 0.3467, 0.3718



10.8381, 0.3140, 0.3476



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.



25.7668, 0.3162, 0.3868



44.5239, 0.3168, 0.4006



25.5811, 0.3011, 0.3697



6.5177, 0.3143, 0.3517



18.3085, 0.3073, 0.5942



0.2338, 0.3313, 0.5751

Inverse Universe

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



19.6864, 0.3078, 0.2752



31.9544, 0.3065, 0.2634



19.9359, 0.3267, 0.2915



5.8548, 0.3109, 0.3070



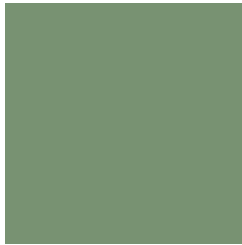
5.2620, 0.2749, 0.1288



0.0758, 0.2986, 0.1418

Previews

White Background



This preview shows how the Yxy color 25.7657, 0.3162, 0.3868 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 25.7657, 0.3162, 0.3868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

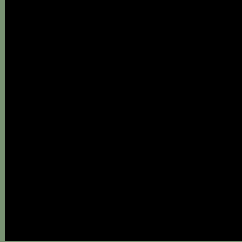
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7657, 0.3162, 0.3868

Background



This preview shows how black text looks on a background with the Yxy color 25.7657, 0.3162, 0.3868.



This preview shows how white text looks on a background with the Yxy color 25.7657, 0.3162, 0.3868.

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

25.7657, 0.3162, 0.3868

Protanopia

25.5058, 0.3527, 0.3759

Deuteranopia

25.5330, 0.3624, 0.3546



Tritanopia

25.7524, 0.2868, 0.3104

Trichromacy



Original Color

25.7657, 0.3162, 0.3868

Protanomaly

25.5158, 0.3390, 0.3809

Deuteranomaly

25.4577, 0.3439, 0.3660

Tritanomaly

25.7650, 0.2978, 0.3376

Monochromacy



Original Color

25.7657, 0.3162, 0.3868

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.7434, 0.3150, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7657, 0.3162, 0.3868 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(120, 146, 114)` looks like.

```
.text, #text, p{  
    color:rgb(120, 146, 114)  
}
```

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(120, 146, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 146, 114) }
```

Border

The CSS property to change the border of an element to Yxy 25.7657, 0.3162, 0.3868 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(120, 146, 114) }
```

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

```
.border{ border-color:rgb(120, 146, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 146, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 146, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 146, 114);  
box-shadow:4px 4px 4px 4px rgb(120, 146,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7657, 0.3162, 0.3868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 146, 114) }
```

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

```
.background{ background-color: rgb(120,  
146, 114) }
```

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