

Converting Colors

$Y_{xy}(24.6760, 0.2659, 0.3573)$

Have a look what the booklet for
Yxy(24.6760, 0.2659, 0.3573)
contains.

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Color

Yxy(24.7123, 0.2662, 0.3577)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | 539485 |
| RGB | 83, 148, 133 |
| RGB Percent | 33%, 58%, 52% |
| CMY | 0.6744, 0.4196, 0.4785 |
| CMYK | 0.44, 0.00, 0.10, 0.42 |
| HSL | 166°, 28%, 45% |
| HSV | 166°, 44%, 58% |
| XYZ | 18.3909, 24.7123, 25.9835 |
| YIQ | 126.8550, -33.9250, -18.4450 |

Conversions

Conversions Part 2

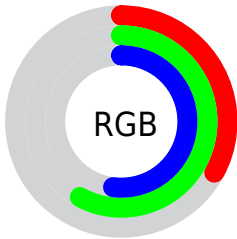
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 83, 120, 148 |
| Decimal | 5477509 |
| CIE _{Lab} | 56.79, -24.57, 1.45 |
| CIE _{LCh} | 57, 24.615, 176.615 |
| Yxy | 24.7123, 0.2662, 0.3577 |
| Android (android.graphics.Color) | 4283667589 (0xFF539485) |
| YUV | 126.8550, 3.0295, -38.4608 |
| Hunter-Lab | 49.7115, -20.9586, 3.8080 |

Details

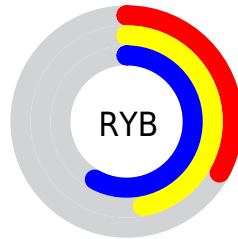
The Yxy color **24.7123, 0.2662, 0.3577** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.3683, 0.3971, 0.3031**, and the grayscale version is **21.1708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0205, 0.2762, 0.3510**, and **9.4507, 0.2482, 0.3676** is the 20% darker color. If you saturate the color by 10%, you get **24.0172, 0.2585, 0.3655**, and if you desaturate by 10%, it is **25.5562, 0.2752, 0.3503**.

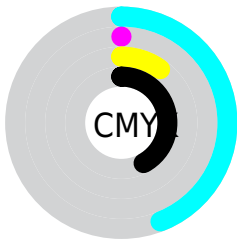
Distribution



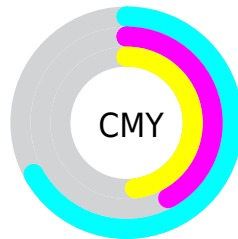
- Red (33%)
- Green (58%)
- Blue (52%)



- Red (33%)
- Yellow (47%)
- Blue (58%)



- Cyan (44%)
- Magenta (0%)
- Yellow (10%)
- Black (42%)





- Cyan (67%)
- Magenta (42%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7123, 0.2662, 0.3577 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 24.7123, 0.2662, 0.3577 by changing the saturation by 10% instead.


 24.7123, 0.2662,
0.3577

 24.7123, 0.2662,
0.3577


276.4021, 0.2919,
0.3418


 15.8628, 0.2588,
0.3623


 51.1901, 0.2762,
0.3515


 9.4271, 0.2487,
0.3687


 69.5872, 0.2797,
0.3493

 5.0208, 0.2340,
0.3781

 91.9357, 0.2827,
0.3474

 2.2595, 0.2108,
0.3932

 118.6199, 0.2851,
0.3459

 0.7521, 0.0726,
0.4747

 150.0243, 0.2872,
0.3447

 0.0000, 0.0000,
0.0000

186.5332, 0.2890,

0.3436

228.5310, 0.2905,
0.3426

■ 24.7123, 0.2662,
0.3577

■ 24.7123, 0.2662,
0.3577

■ 24.0172, 0.2585,
0.3655

■ 25.5562, 0.2752,
0.3503

■ 23.4587, 0.2525,
0.3736

■ 26.5543, 0.2854,
0.3434

■ 23.0274, 0.2483,
0.3819


■ 27.7154, 0.2965,
0.3370


■ 22.7115, 0.2459,
0.3903


■ 29.0469, 0.3081,
0.3311


■ 22.4967, 0.2454,
0.3986

■ 30.5555, 0.3200,
0.3258

 22.3906, 0.2455,
0.4037

 32.2476, 0.3321,
0.3211

 34.1295, 0.3442,
0.3169

 36.2069, 0.3561,
0.3132

 38.4853, 0.3677,
0.3099

Harmonies

Analogous

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



24.7123, 0.3043, 0.3924



24.7123, 0.2662, 0.3577



24.7123, 0.2414, 0.3159

Triad

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



24.7123, 0.2662, 0.3577



24.7123, 0.2758, 0.2616



24.7123, 0.3973, 0.3682

Complementary

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



24.7123, 0.2662, 0.3577



13.3683, 0.3971, 0.3031

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.



24.7123, 0.3894, 0.3343



24.7123, 0.2662, 0.3577



24.7123, 0.3167, 0.2754

Square

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



24.7123, 0.2662, 0.3577



24.7123, 0.2467, 0.2632



24.7123, 0.3591, 0.3013



24.7123, 0.3809, 0.3952

Rectangle

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



24.7123, 0.2662, 0.3577



24.7123, 0.2348, 0.2916



24.7123, 0.3591, 0.3013



24.7123, 0.3975, 0.3573

Sweetspot

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



24.7133, 0.2662, 0.3577



49.0437, 0.2972, 0.3366



24.4121, 0.3210, 0.4553



11.0937, 0.2949, 0.3378



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.



24.7133, 0.2662, 0.3577



42.3592, 0.2584, 0.3656



20.1231, 0.2494, 0.2954



6.5395, 0.3019, 0.3342



19.1289, 0.2453, 0.4032



0.2386, 0.2345, 0.3640

Inverse Universe

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



13.3683, 0.3971, 0.3031



19.6016, 0.4284, 0.2979



16.1023, 0.4100, 0.3595



5.8361, 0.3248, 0.3239



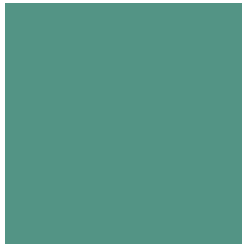
5.4811, 0.5932, 0.3042



0.0710, 0.4923, 0.2486

Previews

White Background



This preview shows how the Yxy color 24.7123, 0.2662, 0.3577 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 24.7123, 0.2662, 0.3577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

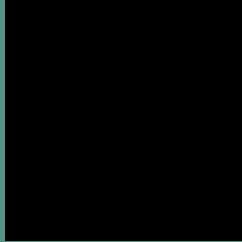
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7123, 0.2662, 0.3577

Background



This preview shows how black text looks on a background with the Yxy color 24.7123, 0.2662, 0.3577.

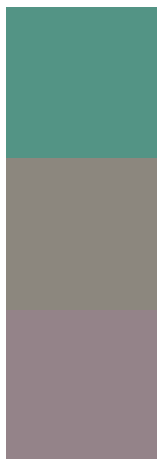


This preview shows how white text looks on a background with the Yxy color 24.7123, 0.2662, 0.3577.

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

24.7123, 0.2662, 0.3577

Protanopia

24.4098, 0.3280, 0.3444

Deuteranopia

24.3346, 0.3259, 0.3192



Tritanopia

24.7749, 0.2525, 0.3090

Trichromacy



Original Color

24.7123, 0.2662, 0.3577

Protanomaly

24.2631, 0.3012, 0.3488

Deuteranomaly

23.9540, 0.2996, 0.3307

Tritanomaly

24.7221, 0.2572, 0.3251

Monochromacy



Original Color

24.7123, 0.2662, 0.3577

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

22.2924, 0.2927, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7123, 0.2662, 0.3577 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(83, 148, 133)` looks like.

```
.text, #text, p{  
  color:rgb(83, 148, 133)  
}
```

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(83, 148, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 148, 133) }
```

Border

The CSS property to change the border of an element to Yxy 24.7123, 0.2662, 0.3577 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(83, 148, 133) }
```

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

```
.border{ border-color:rgb(83, 148, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 148, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 148, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 148, 133);  
box-shadow:4px 4px 4px 4px rgb(83, 148,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7123, 0.2662, 0.3577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 148, 133) }
```

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

```
.background{ background-color: rgb(83, 148,  
133) }
```

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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