

Converting Colors

$Y_{xy}(25.7694, 0.2710, 0.3717)$

Have a look what the booklet for
Yxy(25.7694, 0.2710, 0.3717)
contains.

Yxy(25.6030, 0.2707, 0.3710)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(25.6030, 0.2707, 0.3710)$

Conversions

Conversions Part 1

Format	Color
Hex	549781
RGB	84, 151, 129
RGB Percent	33%, 59%, 51%
CMY	0.6708, 0.4078, 0.4941
CMYK	0.44, 0.00, 0.15, 0.41
HSL	160°, 29%, 46%
HSV	160°, 44%, 59%
XYZ	18.6812, 25.6030, 24.7266
YIQ	128.4590, -32.8700, -21.0460

Conversions

Conversions Part 2

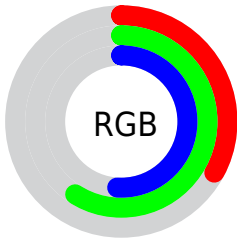
Format	Color
R_{YB}	84, 124, 151
Decimal	5543809
CIE _{Lab}	57.66, -26.78, 4.98
CIE _{LCh}	58, 27.242, 169.473
Yxy	25.6030, 0.2707, 0.3710
Android (android.graphics.Color)	4283733889 (0xFF549781)
YUV	128.4590, 0.2667, -38.9905
Hunter-Lab	50.5994, -22.6471, 6.4462

Details

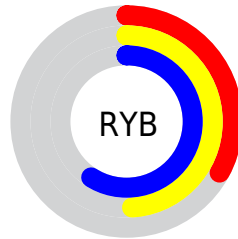
The Yxy color **25.6030, 0.2707, 0.3710** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9515, 0.3875, 0.2918**, and the grayscale version is **21.7576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8384, 0.2797, 0.3620**, and **9.9695, 0.2547, 0.3882** is the 20% darker color. If you saturate the color by 10%, you get **24.8527, 0.2640, 0.3825**, and if you desaturate by 10%, it is **26.5120, 0.2788, 0.3602**.

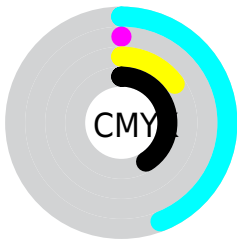
Distribution



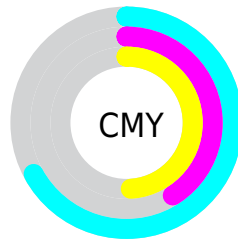
- Red (33%)
- Green (59%)
- Blue (51%)



- Red (33%)
- Yellow (49%)
- Blue (59%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (41%)





- Cyan (67%)
- Magenta (41%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.6030, 0.2707, 0.3710 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 25.6030, 0.2707, 0.3710 by changing the saturation by 10% instead.


 25.6030, 0.2707,
0.3710

 25.6030, 0.2707,
0.3710


280.8278, 0.2940,
0.3474


 16.5269, 0.2640,
0.3780


 52.6338, 0.2798,
0.3617

 9.8977, 0.2547,
0.3877


 71.3572, 0.2830,
0.3584


 5.3312, 0.2412,
0.4022

 94.0653, 0.2857,
0.3558

 2.4429, 0.2195,
0.4260

 121.1423, 0.2879,
0.3535

 0.8478, 0.0965,
0.5383

 152.9726, 0.2897,
0.3516

 0.0000, 0.0000,
0.0000

189.9407, 0.2914,

0.3500

232.4310, 0.2928,
0.3486

■ 25.6030, 0.2707,
0.3710

■ 25.6030, 0.2707,
0.3710

■ 24.8527, 0.2640,
0.3825

■ 26.5120, 0.2788,
0.3602

■ 24.2481, 0.2588,
0.3944

■ 27.5855, 0.2879,
0.3501

■ 23.7792, 0.2554,
0.4066


■ 28.8328, 0.2977,
0.3409

■ 23.4335, 0.2540,
0.4190

■ 30.2617, 0.3081,
0.3324

■ 23.1954, 0.2544,
0.4312

■ 31.8793, 0.3187,
0.3249

 23.0855, 0.2550,
0.4380

 33.6926, 0.3293,
0.3181

 35.7081, 0.3399,
0.3121

 37.9318, 0.3503,
0.3068

 40.3698, 0.3603,
0.3022

Harmonies

Analogous

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



25.6030, 0.3143, 0.4048



25.6030, 0.2707, 0.3710



25.6030, 0.2398, 0.3249

Triad

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



25.6030, 0.2707, 0.3710



25.6030, 0.2634, 0.2547



25.6030, 0.4057, 0.3627

Complementary

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



25.6030, 0.2707, 0.3710



13.9515, 0.3875, 0.2918

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.



25.6030, 0.3907, 0.3255



25.6030, 0.2707, 0.3710



25.6030, 0.3056, 0.2660

Square

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



25.6030, 0.2707, 0.3710



25.6030, 0.2361, 0.2604



25.6030, 0.3529, 0.2912



25.6030, 0.3935, 0.3951

Rectangle

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



25.6030, 0.2707, 0.3710



25.6030, 0.2295, 0.2966



25.6030, 0.3529, 0.2912



25.6030, 0.4038, 0.3504

Sweetspot

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



25.6040, 0.2707, 0.3710



51.9059, 0.2989, 0.3399



25.8585, 0.3278, 0.4546



11.6850, 0.2968, 0.3417



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.6040, 0.2707, 0.3710



44.5437, 0.2642, 0.3820



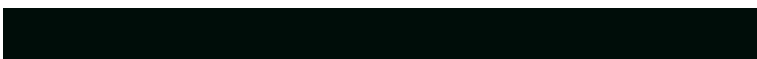
22.8242, 0.2508, 0.3079



6.9921, 0.3030, 0.3364



19.6416, 0.2548, 0.4373



0.3003, 0.2400, 0.3840

Inverse Universe

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



13.9515, 0.3875, 0.2918



21.0040, 0.4131, 0.2845



15.4255, 0.4171, 0.3484



6.2544, 0.3235, 0.3217



5.7946, 0.5605, 0.2861



0.0928, 0.4558, 0.2285

Previews

White Background



This preview shows how the Yxy color 25.6030, 0.2707, 0.3710 looks on a white background.

Color Contrast Check

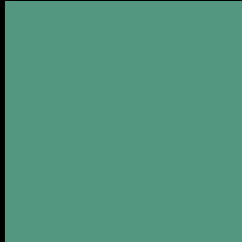
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6030, 0.2707, 0.3710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

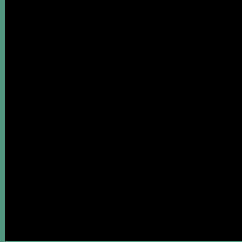
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6030, 0.2707, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 25.6030, 0.2707, 0.3710.



This preview shows how white text looks on a background with the Yxy color 25.6030, 0.2707, 0.3710.

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

25.6030, 0.2707, 0.3710

Protanopia

25.2258, 0.3365, 0.3543

Deuteranopia

25.2408, 0.3358, 0.3291



Tritanopia

25.6460, 0.2531, 0.3075

Trichromacy



Original Color

25.6030, 0.2707, 0.3710

Protanomaly

24.9642, 0.3081, 0.3594

Deuteranomaly

25.0113, 0.3078, 0.3429

Tritanomaly

25.4418, 0.2592, 0.3288

Monochromacy



Original Color

25.6030, 0.2707, 0.3710

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.6116, 0.2948, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6030, 0.2707, 0.3710 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(84, 151, 129)` looks like.

```
.text, #text, p{  
  color:rgb(84, 151, 129)  
}
```

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(84, 151, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 151, 129) }
```

Border

The CSS property to change the border of an element to Yxy 25.6030, 0.2707, 0.3710 is called "border". The border property can be set on classes, ids or directly on the HTML element.

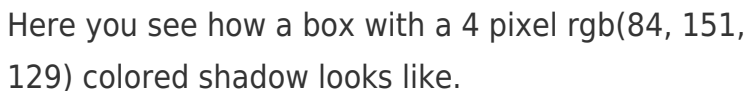
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(84, 151, 129) }
```

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

```
.border{ border-color:rgb(84, 151, 129) }
```

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



Here you see how a box with a 4 pixel `rgb(84, 151, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 151, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 151, 129);  
box-shadow:4px 4px 4px 4px rgb(84, 151,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6030, 0.2707, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 151, 129) }
```

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

```
.background{ background-color: rgb(84, 151,  
129) }
```

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