

Converting Colors

$Y_{xy}(27.1343, 0.2731, 0.3820)$

Have a look what the booklet for
Yxy(27.1343, 0.2731, 0.3820)
contains.

Yxy(27.2203, 0.2726, 0.3817)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(27.2203, 0.2726, 0.3817)$

Conversions

Conversions Part 1

Format	Color
Hex	549C80
RGB	84, 156, 128
RGB Percent	33%, 61%, 50%
CMY	0.6706, 0.3882, 0.4980
CMYK	0.46, 0.00, 0.18, 0.39
HSL	157°, 30%, 47%
HSV	157°, 46%, 61%
XYZ	19.4400, 27.2203, 24.6530
YIQ	131.2800, -33.9240, -23.9720

Conversions

Conversions Part 2

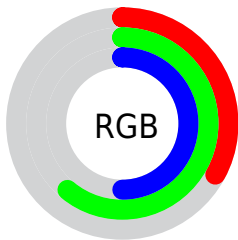
Format	Color
RYB	84, 129, 156
Decimal	5545088
CIELab	59.18, -29.45, 7.72
CIElCh	59, 30.443, 165.314
Yxy	27.2203, 0.2726, 0.3817
Android (android.graphics.Color)	4283735168 (0xFF549C80)
YUV	131.2800, -1.6170, -41.4646
Hunter-Lab	52.1731, -24.7927, 8.5052

Details

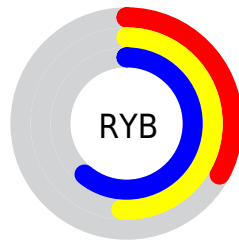
The Yxy color $27.2203, 0.2726, 0.3817$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.5762, 0.3847, 0.2832$, and the grayscale version is $22.8166, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2431, 0.2809, 0.3699$, and $10.7264, 0.2572, 0.4017$ is the 20% darker color. If you saturate the color by 10%, you get $26.4251, 0.2666, 0.3956$, and if you desaturate by 10%, it is $28.1876, 0.2799, 0.3685$.

Distribution



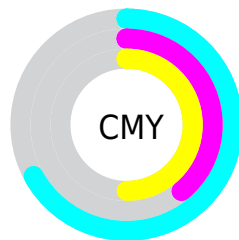
- Red (33%)
- Green (61%)
- Blue (50%)



- Red (33%)
- Yellow (51%)
- Blue (61%)



- Cyan (46%)
- Magenta (0%)
- Yellow (18%)
- Black (39%)




- Cyan (67%)
- Magenta (39%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.2203, 0.2726, 0.3817 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 27.2203, 0.2726, 0.3817 by changing the saturation by 10% instead.


 27.2203, 0.2726,
0.3817


 27.2203, 0.2726,
0.3817


288.7222, 0.2948,
0.3521


 17.7387, 0.2662,
0.3904


 55.2372, 0.2813,
0.3700

 10.7626, 0.2574,
0.4026


 74.5413, 0.2843,
0.3659

 5.9074, 0.2445,
0.4206

 97.8884, 0.2869,
0.3626

 2.7889, 0.2239,
0.4502

 125.6628, 0.2890,
0.3598

 1.0225, 0.1344,
0.5569

 158.2490, 0.2908,
0.3574

 0.0000, 0.0000,
0.0000

196.0314, 0.2923,

0.3554

239.3943, 0.2937,
0.3536

■ 27.2203, 0.2726,
0.3817

■ 27.2203, 0.2726,
0.3817

■ 26.4251, 0.2666,
0.3956

■ 28.1876, 0.2799,
0.3685

■ 25.7877, 0.2623,
0.4102

■ 29.3335, 0.2882,
0.3563

■ 25.2970, 0.2598,
0.4250


■ 30.6684, 0.2972,
0.3450


■ 24.9388, 0.2592,
0.4398

■ 32.2008, 0.3067,
0.3348


■ 24.6930, 0.2605,
0.4544

■ 33.9387, 0.3165,
0.3256

 24.6113, 0.2611,
0.4600

 35.8896, 0.3263,
0.3174

 38.0606, 0.3360,
0.3101

 40.4586, 0.3454,
0.3037

 43.0901, 0.3546,
0.2981

Harmonies

Analogous

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



27.2203, 0.3211, 0.4156



27.2203, 0.2726, 0.3817



27.2203, 0.2368, 0.3312

Triad

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



27.2203, 0.2726, 0.3817



27.2203, 0.2537, 0.2480



27.2203, 0.4141, 0.3596

Complementary

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



27.2203, 0.2726, 0.3817



14.5762, 0.3847, 0.2832

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.



27.2203, 0.3937, 0.3193



27.2203, 0.2726, 0.3817



27.2203, 0.2977, 0.2580

Square

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



27.2203, 0.2726, 0.3817



27.2203, 0.2269, 0.2566



27.2203, 0.3496, 0.2834



27.2203, 0.4044, 0.3964

Rectangle

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



27.2203, 0.2726, 0.3817



27.2203, 0.2238, 0.2991



27.2203, 0.3496, 0.2834



27.2203, 0.4106, 0.3461

Sweetspot

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



27.2214, 0.2726, 0.3817



56.1963, 0.2990, 0.3430



27.9155, 0.3329, 0.4584



12.2491, 0.2971, 0.3451



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



27.2214, 0.2726, 0.3817



48.0021, 0.2667, 0.3955



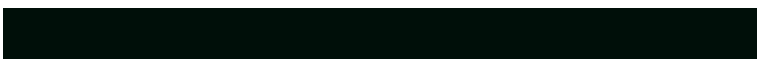
25.7172, 0.2502, 0.3158



7.4657, 0.3037, 0.3378



20.2777, 0.2608, 0.4589



0.3707, 0.2446, 0.4007

Inverse Universe

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



14.5762, 0.3847, 0.2832



22.2182, 0.4091, 0.2745



15.2224, 0.4275, 0.3412



6.6867, 0.3226, 0.3203



6.1026, 0.5373, 0.2734



0.1171, 0.4402, 0.2199

Previews

White Background



This preview shows how the Yxy color 27.2203, 0.2726, 0.3817 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 27.2203, 0.2726, 0.3817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

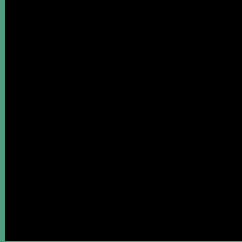
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2203, 0.2726, 0.3817

Background



This preview shows how black text looks on a background with the Yxy color 27.2203, 0.2726, 0.3817.



This preview shows how white text looks on a background with the Yxy color 27.2203, 0.2726, 0.3817.

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

27.2203, 0.2726, 0.3817

Protanopia

26.8198, 0.3423, 0.3618

Deuteranopia

26.9282, 0.3430, 0.3369



Tritanopia

27.1047, 0.2522, 0.3080

Trichromacy



Original Color

27.2203, 0.2726, 0.3817

Protanomaly

26.3730, 0.3119, 0.3677

Deuteranomaly

26.4907, 0.3127, 0.3512

Tritanomaly

27.1581, 0.2598, 0.3342

Monochromacy



Original Color

27.2203, 0.2726, 0.3817

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.9453, 0.2950, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2203, 0.2726, 0.3817 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, 156, 128)` looks like.

```
.text, #text, p{  
    color:rgb(84, 156, 128)  
}
```

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, 156, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 156, 128) }
```

Border

The CSS property to change the border of an element to Yxy 27.2203, 0.2726, 0.3817 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, 156, 128) }
```

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

```
.border{ border-color:rgb(84, 156, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 156, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 156, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 156, 128);  
box-shadow:4px 4px 4px 4px rgb(84, 156,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2203, 0.2726, 0.3817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 156, 128) }
```

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

```
.background{ background-color: rgb(84, 156,  
128) }
```

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