

Converting Colors

$Y_{xy}(27.5987, 0.2676, 0.3625)$

Have a look what the booklet for
Yxy(27.5987, 0.2676, 0.3625)
contains.

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Color

Yxy(27.6381, 0.2673, 0.3620)

Conversions

Conversions Part 1

Format	Color
Hex	579C8A
RGB	87, 156, 138
RGB Percent	34%, 61%, 54%
CMY	0.6587, 0.3882, 0.4588
CMYK	0.44, 0.00, 0.12, 0.39
HSL	164°, 28%, 48%
HSV	164°, 44%, 61%
XYZ	20.4079, 27.6381, 28.3023
YIQ	133.3170, -35.3460, -20.2260

Conversions

Conversions Part 2

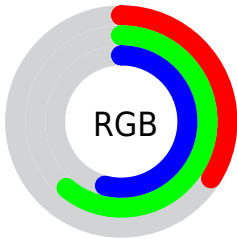
Format	Color
RYB	87, 127, 156
Decimal	5741706
CIELab	59.56, -26.29, 2.64
CIElCh	60, 26.420, 174.271
Yxy	27.6381, 0.2673, 0.3620
Android (android.graphics.Color)	4283931786 (0xFF579C8A)
YUV	133.3170, 2.3087, -40.6200
Hunter-Lab	52.5720, -22.7090, 4.8813

Details

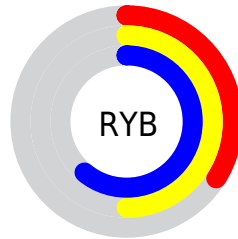
The Yxy color **27.6381, 0.2673, 0.3620** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9093, 0.3951, 0.2994**, and the grayscale version is **23.5807, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.9256, 0.2767, 0.3557**, and **10.9285, 0.2511, 0.3740** is the 20% darker color. If you saturate the color by 10%, you get **26.8517, 0.2599, 0.3710**, and if you desaturate by 10%, it is **28.5934, 0.2760, 0.3535**.

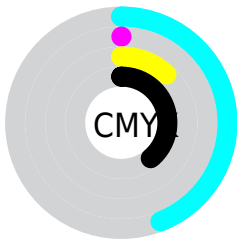
Distribution



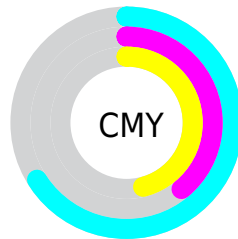
- Red (34%)
- Green (61%)
- Blue (54%)



- Red (34%)
- Yellow (50%)
- Blue (61%)



- Cyan (44%)
- Magenta (0%)
- Yellow (12%)
- Black (39%)





- Cyan (66%)
- Magenta (39%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6381, 0.2673, 0.3620 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 27.6381, 0.2673, 0.3620 by changing the saturation by 10% instead.


 27.6381, 0.2673,
0.3620


 27.6381, 0.2673,
0.3620


290.7336, 0.2920,
0.3439

 18.0530, 0.2604,
0.3672


 55.9061, 0.2768,
0.3550


 10.9881, 0.2510,
0.3743


 75.3579, 0.2802,
0.3525

 6.0588, 0.2375,
0.3846

 98.8673, 0.2830,
0.3504

 2.8809, 0.2167,
0.4008

 126.8188, 0.2854,
0.3487

 1.0699, 0.1516,
0.4454

159.5968, 0.2874,
0.3472

 0.0000, 0.0000,
0.0000

197.5857, 0.2892,

0.3459

241.1698, 0.2907,
0.3448

■ 27.6381, 0.2673,
0.3620

■ 27.6381, 0.2673,
0.3620

■ 26.8517, 0.2599,
0.3710

■ 28.5934, 0.2760,
0.3535

■ 26.2203, 0.2542,
0.3803

■ 29.7239, 0.2859,
0.3456

■ 25.7332, 0.2503,
0.3898


■ 31.0398, 0.2966,
0.3383


■ 25.3767, 0.2483,
0.3994


■ 32.5492, 0.3079,
0.3316

■ 25.1344, 0.2481,
0.4090

■ 34.2599, 0.3194,
0.3256

 25.0210, 0.2485,
0.4145

 36.1794, 0.3312,
0.3202

 38.3145, 0.3428,
0.3154

 40.6721, 0.3543,
0.3112

 43.2583, 0.3654,
0.3075

Harmonies

Analogous

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



27.6381, 0.3074, 0.3967



27.6381, 0.2673, 0.3620



27.6381, 0.2404, 0.3185

Triad

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



27.6381, 0.2673, 0.3620



27.6381, 0.2717, 0.2591



27.6381, 0.4005, 0.3667

Complementary

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



27.6381, 0.2673, 0.3620



14.9093, 0.3951, 0.2994

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.



27.6381, 0.3904, 0.3316



27.6381, 0.2673, 0.3620



27.6381, 0.3132, 0.2722

Square

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



27.6381, 0.2673, 0.3620



27.6381, 0.2430, 0.2620



27.6381, 0.3575, 0.2980



27.6381, 0.3853, 0.3956

Rectangle

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



27.6381, 0.2673, 0.3620



27.6381, 0.2326, 0.2929



27.6381, 0.3575, 0.2980



27.6381, 0.4000, 0.3553

Sweetspot

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



27.6392, 0.2673, 0.3620



56.6241, 0.2977, 0.3376



27.4941, 0.3232, 0.4561



12.3430, 0.2954, 0.3391



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.



27.6392, 0.2673, 0.3620



48.7919, 0.2601, 0.3708



23.1566, 0.2495, 0.2993



7.4799, 0.3021, 0.3349



20.6157, 0.2483, 0.4138



0.3751, 0.2377, 0.3757

Inverse Universe

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



14.9093, 0.3951, 0.2994



22.6390, 0.4243, 0.2936



17.4811, 0.4133, 0.3560



6.6732, 0.3245, 0.3232



5.9571, 0.5845, 0.2994



0.1128, 0.4851, 0.2446

Previews

White Background



This preview shows how the Yxy color 27.6381, 0.2673, 0.3620 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 27.6381, 0.2673, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

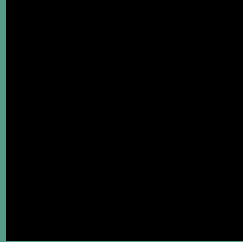
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6381, 0.2673, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 27.6381, 0.2673, 0.3620.

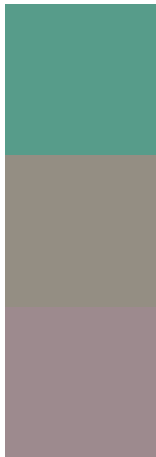


This preview shows how white text looks on a background with the Yxy color 27.6381, 0.2673, 0.3620.

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

27.6381, 0.2673, 0.3620

Protanopia

27.2806, 0.3304, 0.3469

Deuteranopia

27.2981, 0.3296, 0.3228



Tritanopia

27.5165, 0.2524, 0.3081

Trichromacy



Original Color

27.6381, 0.2673, 0.3620

Protanomaly

27.0243, 0.3035, 0.3514

Deuteranomaly

27.0794, 0.3031, 0.3357

Tritanomaly

27.3732, 0.2569, 0.3253

Monochromacy



Original Color

27.6381, 0.2673, 0.3620

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5120, 0.2924, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6381, 0.2673, 0.3620 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(87, 156, 138)` looks like.

```
.text, #text, p{  
  color:rgb(87, 156, 138)  
}
```

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(87, 156, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 156, 138) }
```

Border

The CSS property to change the border of an element to Yxy 27.6381, 0.2673, 0.3620 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(87, 156, 138) }
```

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

```
.border{ border-color:rgb(87, 156, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 156, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 156, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 156, 138);  
box-shadow:4px 4px 4px 4px rgb(87, 156,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6381, 0.2673, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 156, 138) }
```

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

```
.background{ background-color: rgb(87, 156,  
138) }
```

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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