

Converting Colors

$Y_{xy}(27.8382, 0.2887, 0.3463)$

Have a look what the booklet for
Yxy(27.8382, 0.2887, 0.3463)
contains.

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Color

Yxy(27.8382, 0.2887, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	75978D
RGB	117, 151, 141
RGB Percent	46%, 59%, 55%
CMY	0.5412, 0.4078, 0.4471
CMYK	0.23, 0.00, 0.07, 0.41
HSL	162°, 14%, 53%
HSV	162°, 23%, 59%
XYZ	23.2079, 27.8382, 29.3414
YIQ	139.6940, -17.0540, -10.3180

Conversions

Conversions Part 2

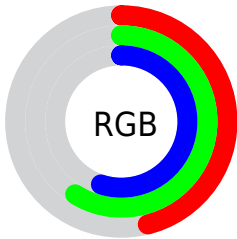
Format	Color
R_{YB}	117, 137, 151
Decimal	7706509
CIE _{Lab}	59.74, -13.96, 1.41
CIE _{LCh}	60, 14.032, 174.243
Yxy	27.8382, 0.2887, 0.3463
Android (android.graphics.Color)	4285896589 (0xFF75978D)
YUV	139.6940, 0.6439, -19.9026
Hunter-Lab	52.7619, -13.8183, 3.9616

Details

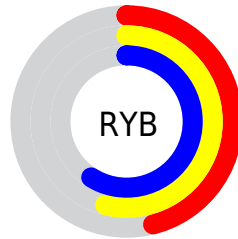
The Yxy color $27.8382, 0.2887, 0.3463$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $20.8325, 0.3442, 0.3124$, and the grayscale version is $26.1022, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.1488, 0.2937, 0.3417$, and $11.0986, 0.2803, 0.3523$ is the 20% darker color. If you saturate the color by 10%, you get $26.7466, 0.2791, 0.3552$, and if you desaturate by 10%, it is $29.1061, 0.2991, 0.3382$.

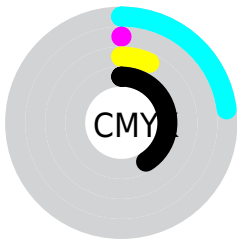
Distribution



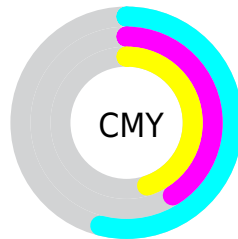
- Red (46%)
- Green (59%)
- Blue (55%)



- Red (46%)
- Yellow (54%)
- Blue (59%)



- Cyan (23%)
- Magenta (0%)
- Yellow (7%)
- Black (41%)





- Cyan (54%)
- Magenta (41%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8382, 0.2887, 0.3463 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 27.8382, 0.2887, 0.3463 by changing the saturation by 10% instead.

 27.8382, 0.2887,
0.3463


 27.8382, 0.2887,
0.3463


291.6930, 0.3018,
0.3369


 18.2037, 0.2850,
0.3490


 56.2260, 0.2937,
0.3426

 11.0964, 0.2801,
0.3526


 75.7482, 0.2955,
0.3413

 6.1317, 0.2729,
0.3579

 99.3350, 0.2970,
0.3403

 2.9253, 0.2618,
0.3662

127.3708, 0.2983,
0.3394

 1.0929, 0.2395,
0.3825

160.2402, 0.2993,
0.3386

 0.0000, 0.0000,
0.0000

198.3274, 0.3003,

0.3379

242.0169, 0.3011,
0.3374

■ 27.8382, 0.2887,
0.3463

■ 27.8382, 0.2887,
0.3463

■ 26.7466, 0.2791,
0.3552

■ 29.1061, 0.2991,
0.3382

■ 25.8198, 0.2705,
0.3647

■ 30.5546, 0.3099,
0.3308

■ 25.0502, 0.2631,
0.3748

■ 32.1918, 0.3210,
0.3241

■ 24.4280, 0.2574,
0.3853

■ 34.0246, 0.3322,
0.3181

■ 23.9425, 0.2534,
0.3961

■ 36.0593, 0.3433,
0.3129

■ 23.5816, 0.2513,
0.4071

■ 38.3022, 0.3541,
0.3082

■ 23.3308, 0.2511,
0.4180

■ 40.7589, 0.3646,
0.3041

■ 23.1868, 0.2517,
0.4262

■ 43.4352, 0.3748,
0.3006

■ 46.3365, 0.3845,
0.2975

Harmonies

Analogous

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



27.8382, 0.3106, 0.3635



27.8382, 0.2887, 0.3463



27.8382, 0.2735, 0.3244

Triad

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



27.8382, 0.2887, 0.3463



27.8382, 0.2909, 0.2904



27.8382, 0.3590, 0.3506

Complementary

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



27.8382, 0.2887, 0.3463



20.8325, 0.3442, 0.3124

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.



27.8382, 0.3535, 0.3314



27.8382, 0.2887, 0.3463



27.8382, 0.3135, 0.2976

Square

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



27.8382, 0.2887, 0.3463



27.8382, 0.2747, 0.2928



27.8382, 0.3366, 0.3123



27.8382, 0.3516, 0.3652

Rectangle

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



27.8382, 0.2887, 0.3463



27.8382, 0.2689, 0.3108



27.8382, 0.3366, 0.3123



27.8382, 0.3586, 0.3445

Sweetspot

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



27.8394, 0.2887, 0.3463



53.4759, 0.3049, 0.3341



27.9468, 0.3202, 0.3881



12.1236, 0.3043, 0.3345



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.



27.8394, 0.2887, 0.3463



48.8325, 0.2838, 0.3507



26.0240, 0.2794, 0.3172



6.9955, 0.3026, 0.3356



19.7285, 0.2515, 0.4255



0.3012, 0.2382, 0.3777

Inverse Universe

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



20.8325, 0.3442, 0.3124



34.0304, 0.3534, 0.3085



22.2274, 0.3547, 0.3405



6.2512, 0.3240, 0.3225



5.7597, 0.5726, 0.2928



0.0919, 0.4680, 0.2352

Previews

White Background



This preview shows how the Yxy color 27.8382, 0.2887, 0.3463 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 27.8382, 0.2887, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

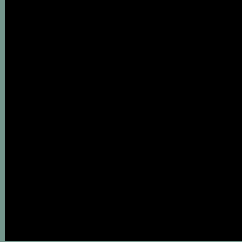
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8382, 0.2887, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 27.8382, 0.2887, 0.3463.



This preview shows how white text looks on a background with the Yxy color 27.8382, 0.2887, 0.3463.

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

27.8382, 0.2887, 0.3463

Protanopia

27.7184, 0.3251, 0.3403

Deuteranopia

27.6165, 0.3284, 0.3228



Tritanopia

27.7828, 0.2760, 0.3090

Trichromacy



Original Color

27.8382, 0.2887, 0.3463

Protanomaly

27.7111, 0.3111, 0.3423

Deuteranomaly

27.3487, 0.3126, 0.3306

Tritanomaly

27.7879, 0.2811, 0.3222

Monochromacy



Original Color

27.8382, 0.2887, 0.3463

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.7455, 0.3041, 0.3357

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8382, 0.2887, 0.3463 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(117, 151, 141)` looks like.

```
.text, #text, p{  
    color:rgb(117, 151, 141)  
}
```

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(117, 151, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 151, 141) }
```

Border

The CSS property to change the border of an element to Yxy 27.8382, 0.2887, 0.3463 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(117, 151, 141) }
```

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

```
.border{ border-color:rgb(117, 151, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 151, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 151, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 151, 141);  
box-shadow:4px 4px 4px 4px rgb(117, 151,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8382, 0.2887, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 151, 141) }
```

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

```
.background{ background-color: rgb(117,  
151, 141) }
```

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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