

Converting Colors

$Y_{xy}(23.9880, 0.2871, 0.3589)$

Have a look what the booklet for
Yxy(23.9880, 0.2871, 0.3589)
contains.

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Color

$Y_{xy}(24.0608, 0.2872, 0.3590)$

Conversions

Conversions Part 1

Format	Color
Hex	678F7F
RGB	103, 143, 127
RGB Percent	40%, 56%, 50%
CMY	0.5960, 0.4392, 0.5019
CMYK	0.28, 0.00, 0.11, 0.44
HSL	156°, 16%, 48%
HSV	156°, 28%, 56%
XYZ	19.2486, 24.0608, 23.7123
YIQ	129.2160, -18.7040, -13.4560

Conversions

Conversions Part 2

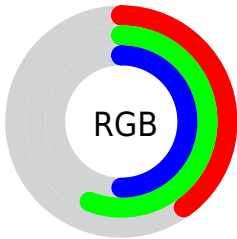
Format	Color
R_{YB}	103, 128, 143
Decimal	6786943
CIE _{Lab}	56.15, -17.36, 4.07
CIE _{LCh}	56, 17.832, 166.820
Yxy	24.0608, 0.2872, 0.3590
Android (android.graphics.Color)	4284977023 (0xFF678F7F)
YUV	129.2160, -1.0925, -22.9914
Hunter-Lab	49.0518, -15.7947, 5.6747

Details

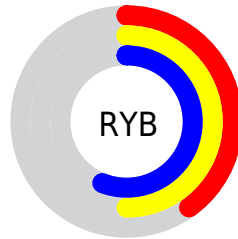
The Yxy color **24.0608, 0.2872, 0.3590** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.8753, 0.3480, 0.3010**, and the grayscale version is **22.0433, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1964, 0.2926, 0.3520**, and **9.1630, 0.2770, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **23.1422, 0.2792, 0.3717**, and if you desaturate by 10%, it is **25.1345, 0.2959, 0.3473**.

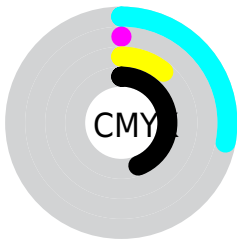
Distribution



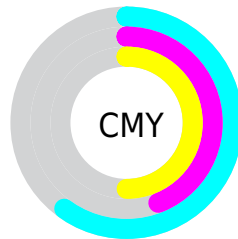
- Red (40%)
- Green (56%)
- Blue (50%)



- Red (40%)
- Yellow (50%)
- Blue (56%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (44%)




- Cyan (60%)
- Magenta (44%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0608, 0.2872, 0.3590 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 24.0608, 0.2872, 0.3590 by changing the saturation by 10% instead.


 24.0608, 0.2872,
0.3590


 24.0608, 0.2872,
0.3590


273.1277, 0.3015,
0.3421


 15.3787, 0.2830,
0.3640


 50.1294, 0.2928,
0.3523

 9.0856, 0.2772,
0.3711


 68.2847, 0.2948,
0.3499

 4.7971, 0.2685,
0.3818

 90.3666, 0.2964,
0.3480

 2.1287, 0.2542,
0.3996

 116.7594, 0.2978,
0.3464

 0.6807, 0.1640,
0.5002

147.8475, 0.2989,
0.3451

 0.0000, 0.0000,
0.0000

184.0153, 0.2999,

0.3439

225.6473, 0.3007,
0.3429

■ 24.0608, 0.2872,
0.3590

■ 24.0608, 0.2872,
0.3590

■ 23.1422, 0.2792,
0.3717

■ 25.1345, 0.2959,
0.3473

■ 22.3682, 0.2723,
0.3853

■ 26.3672, 0.3052,
0.3367

■ 21.7317, 0.2667,
0.3997

■ 27.7666, 0.3147,
0.3271

■ 21.2236, 0.2627,
0.4146

■ 29.3387, 0.3242,
0.3186

■ 20.8339, 0.2605,
0.4298

■ 31.0895, 0.3337,
0.3110

■ 20.5509, 0.2602,
0.4449

■ 33.0244, 0.3430,
0.3043

■ 20.3514, 0.2616,
0.4598

■ 35.1487, 0.3520,
0.2984

■ 20.3137, 0.2619,
0.4628

■ 37.4677, 0.3607,
0.2933

■ 39.9862, 0.3690,
0.2888

Harmonies

Analogous

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



24.0608, 0.3173, 0.3795



24.0608, 0.2872, 0.3590



24.0608, 0.2646, 0.3298

Triad

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



24.0608, 0.2872, 0.3590



24.0608, 0.2774, 0.2778



24.0608, 0.3745, 0.3510

Complementary

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



24.0608, 0.2872, 0.3590



16.8753, 0.3480, 0.3010

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.



24.0608, 0.3629, 0.3252



24.0608, 0.2872, 0.3590



24.0608, 0.3056, 0.2844

Square

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



24.0608, 0.2872, 0.3590



24.0608, 0.2592, 0.2837



24.0608, 0.3372, 0.3014



24.0608, 0.3685, 0.3729

Rectangle

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



24.0608, 0.2872, 0.3590



24.0608, 0.2564, 0.3106



24.0608, 0.3372, 0.3014



24.0608, 0.3725, 0.3426

Sweetspot

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



24.0618, 0.2872, 0.3590



47.1712, 0.3050, 0.3369



24.5468, 0.3262, 0.4027



10.7432, 0.3037, 0.3383



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.0618, 0.2872, 0.3590



41.9493, 0.2817, 0.3675



23.3331, 0.2727, 0.3215



6.0803, 0.3040, 0.3379



17.9656, 0.2617, 0.4621



0.1761, 0.2434, 0.3963

Inverse Universe

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



16.8753, 0.3480, 0.3010



26.7322, 0.3596, 0.2939



17.3376, 0.3692, 0.3363



5.4576, 0.3223, 0.3202



5.4300, 0.5317, 0.2703



0.0561, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 24.0608, 0.2872, 0.3590 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 24.0608, 0.2872, 0.3590 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

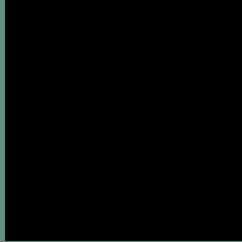
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

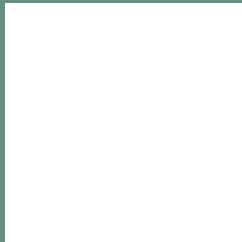
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0608, 0.2872, 0.3590

Background



This preview shows how black text looks on a background with the Yxy color 24.0608, 0.2872, 0.3590.



This preview shows how white text looks on a background with the Yxy color 24.0608, 0.2872, 0.3590.

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

24.0608, 0.2872, 0.3590

Protanopia

23.9443, 0.3313, 0.3497

Deuteranopia

23.9665, 0.3351, 0.3291



Tritanopia

24.1787, 0.2706, 0.3094

Trichromacy



Original Color

24.0608, 0.2872, 0.3590

Protanomaly

23.7822, 0.3138, 0.3523

Deuteranomaly

23.8185, 0.3156, 0.3395

Tritanomaly

24.0669, 0.2766, 0.3271

Monochromacy



Original Color

24.0608, 0.2872, 0.3590

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.6018, 0.3033, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0608, 0.2872, 0.3590 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(103, 143, 127)` looks like.

```
.text, #text, p{  
    color:rgb(103, 143, 127)  
}
```

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(103, 143, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 143, 127) }
```

Border

The CSS property to change the border of an element to Yxy 24.0608, 0.2872, 0.3590 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(103, 143, 127) }
```

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

```
.border{ border-color:rgb(103, 143, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 143, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 143, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 143, 127);  
box-shadow:4px 4px 4px 4px rgb(103, 143,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0608, 0.2872, 0.3590 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 143, 127) }
```

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

```
.background{ background-color: rgb(103,  
143, 127) }
```

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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