

Converting Colors

$Y_{xy}(24.3771, 0.2849, 0.3558)$

Have a look what the booklet for
Yxy(24.3771, 0.2849, 0.3558)
contains.

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Color

Yxy(24.4151, 0.2855, 0.3570)

Conversions

Conversions Part 1

Format	Color
Hex	679081
RGB	103, 144, 129
RGB Percent	40%, 56%, 51%
CMY	0.5962, 0.4352, 0.4941
CMYK	0.29, 0.00, 0.10, 0.44
HSL	158°, 17%, 48%
HSV	158°, 29%, 56%
XYZ	19.5252, 24.4151, 24.4493
YIQ	130.0310, -19.6210, -13.3570

Conversions

Conversions Part 2

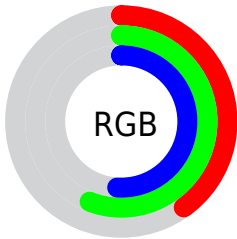
Format	Color
R_{YB}	103, 128, 144
Decimal	6787201
CIE _{Lab}	56.50, -17.48, 3.44
CIE _{LCh}	57, 17.816, 168.869
Yxy	24.4151, 0.2855, 0.3570
Android (android.graphics.Color)	4284977281 (0xFF679081)
YUV	130.0310, -0.5083, -23.7062
Hunter-Lab	49.4116, -15.9353, 5.2510

Details

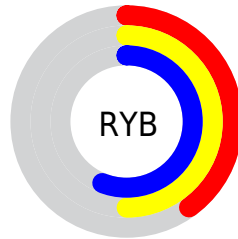
The Yxy color **24.4151, 0.2855, 0.3570** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.9304, 0.3509, 0.3028**, and the grayscale version is **22.3392, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7341, 0.2913, 0.3506**, and **9.1922, 0.2745, 0.3666** is the 20% darker color. If you saturate the color by 10%, you get **23.5005, 0.2772, 0.3686**, and if you desaturate by 10%, it is **25.4856, 0.2946, 0.3463**.

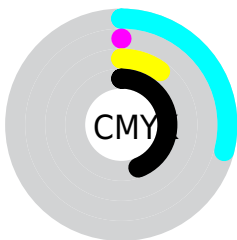
Distribution



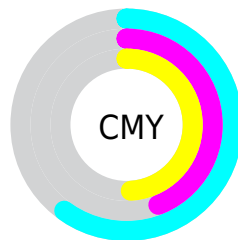
- Red (40%)
- Green (56%)
- Blue (51%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (10%)
- Black (44%)





- Cyan (60%)
- Magenta (44%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4151, 0.2855, 0.3570 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 24.4151, 0.2855, 0.3570 by changing the saturation by 10% instead.


 24.4151, 0.2855,
0.3570


 24.4151, 0.2855,
0.3570


274.9124, 0.3007,
0.3413


 15.6418, 0.2811,
0.3617


 50.7067, 0.2915,
0.3508

 9.2711, 0.2749,
0.3682


 68.9939, 0.2935,
0.3486

 4.9184, 0.2659,
0.3779

 91.2211, 0.2953,
0.3468

 2.1995, 0.2511,
0.3941

 117.7729, 0.2967,
0.3453

 0.7197, 0.1693,
0.4734

149.0335, 0.2979,
0.3441

 0.0000, 0.0000,
0.0000

185.3873, 0.2990,

0.3430

227.2188, 0.2999,
0.3421

■ 24.4151, 0.2855,
0.3570

■ 24.4151, 0.2855,
0.3570

■ 23.5005, 0.2772,
0.3686

■ 25.4856, 0.2946,
0.3463

■ 22.7311, 0.2700,
0.3810

■ 26.7161, 0.3043,
0.3366

■ 22.0997, 0.2642,
0.3941

■ 28.1143, 0.3142,
0.3277

■ 21.5970, 0.2600,
0.4077

■ 29.6863, 0.3243,
0.3199

■ 21.2129, 0.2577,
0.4215

■ 31.4380, 0.3343,
0.3129

■ 20.9354, 0.2572,
0.4352

■ 33.3753, 0.3441,
0.3067

■ 20.7386, 0.2584,
0.4489

■ 35.5034, 0.3537,
0.3012

■ 20.7110, 0.2586,
0.4509

■ 37.8275, 0.3629,
0.2965

■ 40.3526, 0.3717,
0.2923

Harmonies

Analogous

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



24.4151, 0.3152, 0.3783



24.4151, 0.2855, 0.3570



24.4151, 0.2638, 0.3277

Triad

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



24.4151, 0.2855, 0.3570



24.4151, 0.2792, 0.2781



24.4151, 0.3743, 0.3526

Complementary

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



24.4151, 0.2855, 0.3570



16.9304, 0.3509, 0.3028

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.



24.4151, 0.3639, 0.3270



24.4151, 0.2855, 0.3570



24.4151, 0.3078, 0.2855

Square

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



24.4151, 0.2855, 0.3570



24.4151, 0.2603, 0.2831



24.4151, 0.3391, 0.3030



24.4151, 0.3672, 0.3738

Rectangle

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



24.4151, 0.2855, 0.3570



24.4151, 0.2562, 0.3089



24.4151, 0.3391, 0.3030



24.4151, 0.3727, 0.3443

Sweetspot

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



24.4161, 0.2855, 0.3570



46.9561, 0.3036, 0.3372



24.7810, 0.3249, 0.4047



10.6989, 0.3023, 0.3384



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.



24.4161, 0.2855, 0.3570



42.0257, 0.2803, 0.3641



23.2270, 0.2717, 0.3188



6.0833, 0.3036, 0.3372



18.0369, 0.2584, 0.4502



0.1767, 0.2415, 0.3893

Inverse Universe

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



16.9304, 0.3509, 0.3028



26.6647, 0.3622, 0.2968



17.7256, 0.3701, 0.3389



5.4547, 0.3228, 0.3210



5.3889, 0.5452, 0.2777



0.0555, 0.4412, 0.2204

Previews

White Background



This preview shows how the Yxy color 24.4151, 0.2855, 0.3570 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 24.4151, 0.2855, 0.3570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

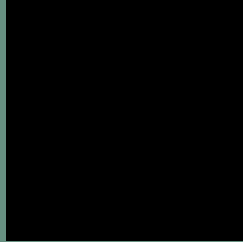
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

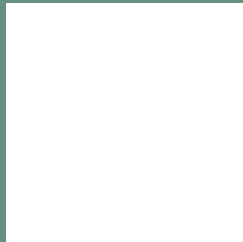
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.4151, 0.2855, 0.3570

Background



This preview shows how black text looks on a background with the Yxy color 24.4151, 0.2855, 0.3570.



This preview shows how white text looks on a background with the Yxy color 24.4151, 0.2855, 0.3570.

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

24.4151, 0.2855, 0.3570

Protanopia

24.3586, 0.3301, 0.3478

Deuteranopia

24.2881, 0.3326, 0.3274



Tritanopia

24.5049, 0.2699, 0.3094

Trichromacy



Original Color

24.4151, 0.2855, 0.3570

Protanomaly

24.1953, 0.3128, 0.3503

Deuteranomaly

24.1525, 0.3134, 0.3377

Tritanomaly

24.4238, 0.2750, 0.3253

Monochromacy



Original Color

24.4151, 0.2855, 0.3570

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.9327, 0.3013, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4151, 0.2855, 0.3570 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, 144, 129)` looks like.

```
.text, #text, p{  
    color:rgb(103, 144, 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(103, 144, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 144, 129) }
```

Border

The CSS property to change the border of an element to Yxy 24.4151, 0.2855, 0.3570 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, 144, 129) }
```

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

```
.border{ border-color:rgb(103, 144, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 144, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 144, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 144, 129); box-shadow:4px 4px 4px 4px rgb(103, 144, 129) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4151, 0.2855, 0.3570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 144, 129) }
```

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

```
.background{ background-color: rgb(103,  
144, 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](#).

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