

Converting Colors

$Y_{xy}(24.0383, 0.2810, 0.3419)$

Have a look what the booklet for
Yxy(24.0383, 0.2810, 0.3419)
contains.

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Color

Yxy(24.0383, 0.2810, 0.3419)

Conversions

Conversions Part 1

Format	Color
Hex	688E87
RGB	104, 142, 135
RGB Percent	41%, 56%, 53%
CMY	0.5920, 0.4431, 0.4707
CMYK	0.27, 0.00, 0.05, 0.44
HSL	169°, 15%, 48%
HSV	169°, 27%, 56%
XYZ	19.7565, 24.0383, 26.5131
YIQ	129.8400, -20.4010, -10.2330

Conversions

Conversions Part 2

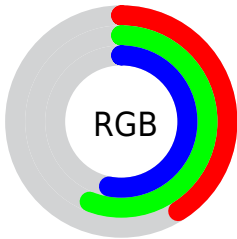
Format	Color
RYB	104, 125, 142
Decimal	6852231
CIELab	56.13, -14.70, -0.54
CIElCh	56, 14.715, 182.085
Yxy	24.0383, 0.2810, 0.3419
Android (android.graphics.Color)	4285042311 (0xFF688E87)
YUV	129.8400, 2.5439, -22.6617
Hunter-Lab	49.0289, -13.8726, 2.2582

Details

The Yxy color **24.0383, 0.2810, 0.3419** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.8063, 0.3576, 0.3166**, and the grayscale version is **22.2620, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1786, 0.2879, 0.3397**, and **9.1224, 0.2693, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **23.1866, 0.2707, 0.3475**, and if you desaturate by 10%, it is **25.0369, 0.2923, 0.3367**.

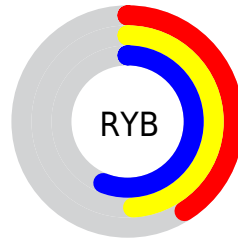
Distribution



Red (41%)

Green (56%)

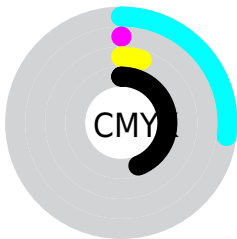
Blue (53%)



Red (41%)

Yellow (49%)

Blue (56%)

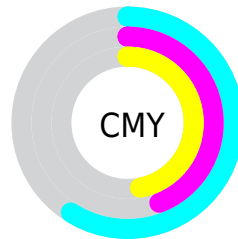


Cyan (27%)

Magenta (0%)

Yellow (5%)

Black (44%)



Cyan (59%)

Magenta (44%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0383, 0.2810, 0.3419 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 24.0383, 0.2810, 0.3419 by changing the saturation by 10% instead.

■ 24.0383, 0.2810,
0.3419

■ 24.0383, 0.2810,
0.3419

273.0141, 0.2986,
0.3348

■ 15.3620, 0.2759,
0.3439

■ 50.0927, 0.2878,
0.3391

■ 9.0739, 0.2690,
0.3467

■ 68.2396, 0.2903,
0.3382

■ 4.7894, 0.2588,
0.3508

■ 90.3122, 0.2923,
0.3374

■ 2.1242, 0.2424,
0.3572

■ 116.6949, 0.2939,
0.3367

■ 0.6782, 0.1642,
0.3898

147.7720, 0.2953,
0.3361

■ 0.0000, 0.0000,
0.0000

183.9280, 0.2966,

0.3356

225.5472, 0.2976,
0.3352

■ 24.0383, 0.2810,
0.3419

■ 24.0383, 0.2810,
0.3419

■ 23.1866, 0.2707,
0.3475

■ 25.0369, 0.2923,
0.3367

■ 22.4716, 0.2616,
0.3534

■ 26.1862, 0.3043,
0.3320

■ 21.8866, 0.2540,
0.3595

■ 27.4933, 0.3168,
0.3276

■ 21.4230, 0.2481,
0.3659

■ 28.9642, 0.3296,
0.3237

■ 21.0711, 0.2440,
0.3724

■ 30.6045, 0.3423,
0.3203

■ 20.8200, 0.2417,
0.3789

■ 32.4194, 0.3550,
0.3172

■ 20.6507, 0.2411,
0.3854

■ 34.4142, 0.3674,
0.3145

■ 20.6009, 0.2410,
0.3875

■ 36.5936, 0.3794,
0.3122

■ 38.9623, 0.3910,
0.3101

Harmonies

Analogous

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



24.0383, 0.3036, 0.3631



24.0383, 0.2810, 0.3419



24.0383, 0.2670, 0.3177

Triad

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



24.0383, 0.2810, 0.3419



24.0383, 0.2947, 0.2878



24.0383, 0.3629, 0.3575

Complementary

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



24.0383, 0.2810, 0.3419



16.8063, 0.3576, 0.3166

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.



24.0383, 0.3606, 0.3372



24.0383, 0.2810, 0.3419



24.0383, 0.3204, 0.2981

Square

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



24.0383, 0.2810, 0.3419



24.0383, 0.2747, 0.2875



24.0383, 0.3448, 0.3158



24.0383, 0.3512, 0.3715

Rectangle

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



24.0383, 0.2810, 0.3419



24.0383, 0.2642, 0.3037



24.0383, 0.3448, 0.3158



24.0383, 0.3638, 0.3512

Sweetspot

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



24.0393, 0.2810, 0.3419



45.8718, 0.3026, 0.3326



23.7659, 0.3173, 0.4009



10.1814, 0.3009, 0.3333



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



24.0393, 0.2810, 0.3419



41.4707, 0.2747, 0.3452



21.0255, 0.2730, 0.3076



6.0995, 0.3013, 0.3331



18.4994, 0.2409, 0.3872



0.1797, 0.2323, 0.3562

Inverse Universe

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



16.8063, 0.3576, 0.3166



26.5390, 0.3713, 0.3137



19.1086, 0.3627, 0.3494



5.4394, 0.3254, 0.3250



5.2334, 0.6060, 0.3112



0.0525, 0.5143, 0.2607

Previews

White Background



This preview shows how the Yxy color 24.0383, 0.2810, 0.3419 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 24.0383, 0.2810, 0.3419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

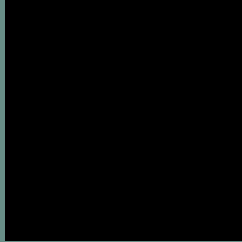
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0383, 0.2810, 0.3419

Background



This preview shows how black text looks on a background with the Yxy color 24.0383, 0.2810, 0.3419.



This preview shows how white text looks on a background with the Yxy color 24.0383, 0.2810, 0.3419.

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

24.0383, 0.2810, 0.3419

Protanopia

23.9803, 0.3203, 0.3359

Deuteranopia

23.8824, 0.3237, 0.3175



Tritanopia

24.1163, 0.2697, 0.3093

Trichromacy



Original Color

24.0383, 0.2810, 0.3419

Protanomaly

23.9172, 0.3047, 0.3378

Deuteranomaly

23.6531, 0.3073, 0.3255

Tritanomaly

24.1583, 0.2740, 0.3217

Monochromacy



Original Color

24.0383, 0.2810, 0.3419

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.7811, 0.3004, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0383, 0.2810, 0.3419 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(104, 142, 135)` looks like.

```
.text, #text, p{  
    color:rgb(104, 142, 135)  
}
```

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(104, 142, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 142, 135) }
```

Border

The CSS property to change the border of an element to Yxy 24.0383, 0.2810, 0.3419 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(104, 142, 135) }
```

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

```
.border{ border-color:rgb(104, 142, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 142, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 142, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 142, 135);  
box-shadow:4px 4px 4px 4px rgb(104, 142,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0383, 0.2810, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 142, 135) }
```

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

```
.background{ background-color: rgb(104,  
142, 135) }
```

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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