

Converting Colors

$Y_{xy}(19.4988, 0.2820, 0.3751)$

Have a look what the booklet for
Yxy(19.4988, 0.2820, 0.3751)
contains.

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Color

$\text{Yxy}(19.4673, 0.2823, 0.3755)$

Conversions

Conversions Part 1

Format	Color
Hex	53846E
RGB	83, 132, 110
RGB Percent	33%, 52%, 43%
CMY	0.6744, 0.4824, 0.5686
CMYK	0.37, 0.00, 0.17, 0.48
HSL	153°, 23%, 42%
HSV	153°, 37%, 52%
XYZ	14.6355, 19.4673, 17.7409
YIQ	114.8410, -22.1420, -17.2300

Conversions

Conversions Part 2

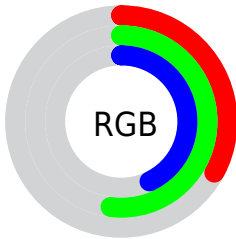
Format	Color
RYB	83, 115, 132
Decimal	5473390
CIELab	51.23, -21.79, 6.68
CIElCh	51, 22.788, 162.964
Yxy	19.4673, 0.2823, 0.3755
Android (android.graphics.Color)	4283663470 (0xFF53846E)
YUV	114.8410, -2.3866, -27.9246
Hunter-Lab	44.1218, -18.0035, 7.0453

Details

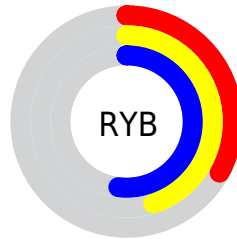
The Yxy color **19.4673, 0.2823, 0.3755** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.1170, 0.3594, 0.2872**, and the grayscale version is **17.1087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3749, 0.2889, 0.3632**, and **6.7225, 0.2693, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **18.7987, 0.2757, 0.3907**, and if you desaturate by 10%, it is **20.2605, 0.2898, 0.3614**.

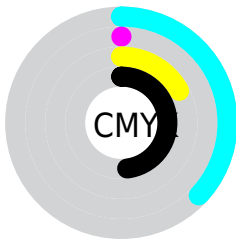
Distribution



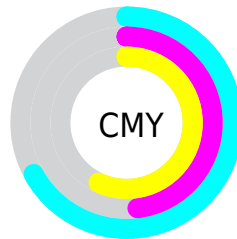
- Red (33%)
- Green (52%)
- Blue (43%)



- Red (33%)
- Yellow (45%)
- Blue (52%)



- Cyan (37%)
- Magenta (0%)
- Yellow (17%)
- Black (48%)



- Cyan (67%)
- Magenta (48%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4673, 0.2823, 0.3755 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 19.4673, 0.2823, 0.3755 by changing the saturation by 10% instead.

■ 19.4673, 0.2823,
0.3755

■ 19.4673, 0.2823,
0.3755

■ 249.0165, 0.3000,
0.3482

■ 12.0084, 0.2767,
0.3842

■ 42.5222, 0.2895,
0.3643

■ 6.7494, 0.2687,
0.3970

■ 58.8871, 0.2920,
0.3605

■ 3.3059, 0.2560,
0.4172

■ 78.9894, 0.2940,
0.3575

■ 1.2934, 0.2296,
0.4570

■ 103.2136, 0.2956,
0.3550

■ 0.1361, 0.0000,
1.0000

■ 131.9440, 0.2970,
0.3529

■ 0.0000, 0.0000,
0.0000

165.5650, 0.2981,

0.3511

204.4610, 0.2992,
0.3495

■ 19.4673, 0.2823,
0.3755

■ 19.4673, 0.2823,
0.3755

■ 18.7987, 0.2757,
0.3907

■ 20.2605, 0.2898,
0.3614

■ 18.2455, 0.2704,
0.4068

■ 21.1820, 0.2979,
0.3484

■ 17.8014, 0.2666,
0.4235


■ 22.2384, 0.3065,
0.3366

■ 17.4579, 0.2646,
0.4405


■ 23.4351, 0.3153,
0.3261


■ 17.2059, 0.2644,
0.4575

■ 24.7770, 0.3240,
0.3166

 17.0268, 0.2659,
0.4740

 26.2691, 0.3327,
0.3083

 16.9790, 0.2663,
0.4788

 27.9160, 0.3412,
0.3009

 29.7220, 0.3493,
0.2944

 31.6913, 0.3572,
0.2887

Harmonies

Analogous

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



19.4673, 0.3237, 0.4018



19.4673, 0.2823, 0.3755



19.4673, 0.2505, 0.3347

Triad

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



19.4673, 0.2823, 0.3755



19.4673, 0.2606, 0.2602



19.4673, 0.3970, 0.3532

Complementary

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



19.4673, 0.2823, 0.3755



12.1170, 0.3594, 0.2872

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.



19.4673, 0.3781, 0.3188



19.4673, 0.2823, 0.3755



19.4673, 0.2971, 0.2673

Square

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



19.4673, 0.2823, 0.3755



19.4673, 0.2388, 0.2694



19.4673, 0.3405, 0.2882



19.4673, 0.3913, 0.3845

Rectangle

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



19.4673, 0.2823, 0.3755



19.4673, 0.2382, 0.3076



19.4673, 0.3405, 0.2882



19.4673, 0.3934, 0.3417

Sweetspot

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



19.4681, 0.2823, 0.3755



38.3733, 0.3029, 0.3414



20.1339, 0.3327, 0.4281



8.8848, 0.3020, 0.3427



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.4681, 0.2823, 0.3755



33.2341, 0.2764, 0.3890



19.3517, 0.2621, 0.3239



5.2445, 0.3047, 0.3389



16.4420, 0.2663, 0.4786



0.0584, 0.2464, 0.4070

Inverse Universe

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



12.1170, 0.3594, 0.2872



18.2121, 0.3758, 0.2772



12.1032, 0.3964, 0.3340



4.7209, 0.3215, 0.3193



5.0593, 0.5108, 0.2588



0.0190, 0.4166, 0.2068

Previews

White Background



This preview shows how the Yxy color 19.4673, 0.2823, 0.3755 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 19.4673, 0.2823, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

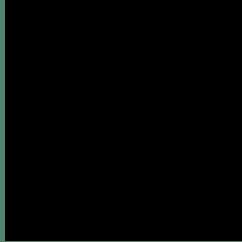
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4673, 0.2823, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 19.4673, 0.2823, 0.3755.



This preview shows how white text looks on a background with the Yxy color 19.4673, 0.2823, 0.3755.

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

19.4673, 0.2823, 0.3755

Protanopia

19.2634, 0.3418, 0.3610

Deuteranopia

19.1491, 0.3424, 0.3363



Tritanopia

19.4470, 0.2627, 0.3092

Trichromacy



Original Color

19.4673, 0.2823, 0.3755

Protanomaly

19.1526, 0.3182, 0.3667

Deuteranomaly

18.8708, 0.3180, 0.3485

Tritanomaly

19.2853, 0.2690, 0.3309

Monochromacy



Original Color

19.4673, 0.2823, 0.3755

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.7506, 0.2998, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4673, 0.2823, 0.3755 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(83, 132, 110)` looks like.

```
.text, #text, p{  
  color:rgb(83, 132, 110)  
}
```

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(83, 132, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 132, 110) }
```

Border

The CSS property to change the border of an element to Yxy 19.4673, 0.2823, 0.3755 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(83, 132, 110) }
```

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

```
.border{ border-color:rgb(83, 132, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 132, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 132, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 132, 110);  
box-shadow:4px 4px 4px 4px rgb(83, 132,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4673, 0.2823, 0.3755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 132, 110) }
```

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

```
.background{ background-color: rgb(83, 132,  
110) }
```

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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