

Converting Colors

$Y_{xy}(23.2260, 0.2663, 0.3784)$

Have a look what the booklet for
Yxy(23.2260, 0.2663, 0.3784)
contains.

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Color

Yxy(23.3160, 0.2670, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	489279
RGB	72, 146, 121
RGB Percent	28%, 57%, 47%
CMY	0.7175, 0.4275, 0.5256
CMYK	0.51, 0.00, 0.17, 0.43
HSL	160°, 34%, 43%
HSV	160°, 51%, 57%
XYZ	16.4041, 23.3160, 21.7186
YIQ	121.0240, -36.0790, -23.4630

Conversions

Conversions Part 2

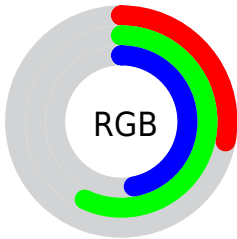
Format	Color
RYB	72, 117, 146
Decimal	4756089
CIELab	55.40, -29.36, 6.24
CIElCh	55, 30.016, 168.001
Yxy	23.3160, 0.2670, 0.3795
Android (android.graphics.Color)	4282946169 (0xFF489279)
YUV	121.0240, -0.0118, -42.9940
Hunter-Lab	48.2866, -23.8609, 7.1329

Details

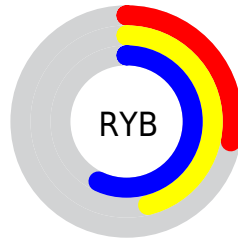
The Yxy color **23.3160, 0.2670, 0.3795** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.6161, 0.4018, 0.2857**, and the grayscale version is **19.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.7613, 0.2776, 0.3678**, and **8.7234, 0.2494, 0.4029** is the 20% darker color. If you saturate the color by 10%, you get **22.7024, 0.2613, 0.3916**, and if you desaturate by 10%, it is **24.0710, 0.2742, 0.3679**.

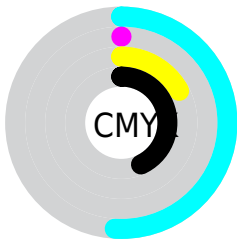
Distribution



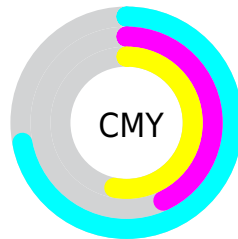
- Red (28%)
- Green (57%)
- Blue (47%)



- Red (28%)
- Yellow (46%)
- Blue (57%)



- Cyan (51%)
- Magenta (0%)
- Yellow (17%)
- Black (43%)





- Cyan (72%)
- Magenta (43%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3160, 0.2670, 0.3795 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 23.3160, 0.2670, 0.3795 by changing the saturation by 10% instead.


 23.3160, 0.2670,
0.3795


 23.3160, 0.2670,
0.3795


269.3439, 0.2928,
0.3506


 14.8270, 0.2594,
0.3883


 48.9117, 0.2772,
0.3679


 8.6981, 0.2487,
0.4008


 66.7872, 0.2808,
0.3639


 4.5448, 0.2327,
0.4199

 88.5603, 0.2837,
0.3607

 1.9827, 0.2065,
0.4524

 114.6154, 0.2861,
0.3580

 0.5974, 0.0000,
0.7361

 145.3369, 0.2882,
0.3557

 0.0000, 0.0000,
0.0000

181.1092, 0.2899,

0.3537

222.3168, 0.2915,
0.3521

■ 23.3160, 0.2670,
0.3795

■ 23.3160, 0.2670,
0.3795

■ 22.7024, 0.2613,
0.3916

■ 24.0710, 0.2742,
0.3679

■ 22.2176, 0.2573,
0.4042

■ 24.9733, 0.2826,
0.3571

■ 21.8518, 0.2551,
0.4169

■ 26.0318, 0.2918,
0.3470

■ 21.5919, 0.2549,
0.4295

■ 27.2539, 0.3017,
0.3378

■ 21.4131, 0.2559,
0.4413

■ 28.6467, 0.3120,
0.3295

■ 30.2165, 0.3225,
0.3220

■ 31.9697, 0.3330,
0.3154

■ 33.9120, 0.3433,
0.3095

■ 36.0491, 0.3534,
0.3043

Harmonies

Analogous

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



23.3160, 0.3165, 0.4173



23.3160, 0.2670, 0.3795



23.3160, 0.2317, 0.3264

Triad

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



23.3160, 0.2670, 0.3795



23.3160, 0.2550, 0.2454



23.3160, 0.4183, 0.3641

Complementary

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



23.3160, 0.2670, 0.3795



11.6161, 0.4018, 0.2857

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.



23.3160, 0.4000, 0.3225



23.3160, 0.2670, 0.3795



23.3160, 0.3017, 0.2573

Square

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



23.3160, 0.2670, 0.3795



23.3160, 0.2256, 0.2524



23.3160, 0.3557, 0.2847



23.3160, 0.4054, 0.4016

Rectangle

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



23.3160, 0.2670, 0.3795



23.3160, 0.2196, 0.2938



23.3160, 0.3557, 0.2847



23.3160, 0.4157, 0.3502

Sweetspot

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



23.3169, 0.2670, 0.3795



47.0403, 0.2971, 0.3420



23.6187, 0.3301, 0.4731



10.3755, 0.2952, 0.3437



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.



23.3169, 0.2670, 0.3795



39.9003, 0.2605, 0.3936



20.7566, 0.2443, 0.3070



6.5292, 0.3032, 0.3366



18.8483, 0.2557, 0.4407



0.2362, 0.2399, 0.3838

Inverse Universe

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



11.6161, 0.4018, 0.2857



16.8057, 0.4350, 0.2781



12.7874, 0.4398, 0.3487



5.8458, 0.3232, 0.3215



5.5796, 0.5562, 0.2838



0.0734, 0.4503, 0.2255

Previews

White Background



This preview shows how the Yxy color 23.3160, 0.2670, 0.3795 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 23.3160, 0.2670, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

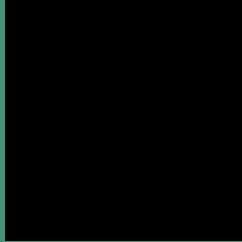
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3160, 0.2670, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 23.3160, 0.2670, 0.3795.



This preview shows how white text looks on a background with the Yxy color 23.3160, 0.2670, 0.3795.

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

23.3160, 0.2670, 0.3795

Protanopia

23.1207, 0.3395, 0.3606

Deuteranopia

22.8625, 0.3391, 0.3324



Tritanopia

23.3952, 0.2480, 0.3083

Trichromacy



Original Color

23.3160, 0.2670, 0.3795

Protanomaly

22.7531, 0.3077, 0.3666

Deuteranomaly

22.4985, 0.3074, 0.3474

Tritanomaly

23.1877, 0.2550, 0.3327

Monochromacy



Original Color

23.3160, 0.2670, 0.3795

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.2293, 0.2918, 0.3467

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3160, 0.2670, 0.3795 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(72, 146, 121)` looks like.

```
.text, #text, p{  
    color:rgb(72, 146, 121)  
}
```

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(72, 146, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 146, 121) }
```

Border

The CSS property to change the border of an element to Yxy 23.3160, 0.2670, 0.3795 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(72, 146, 121) }
```

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

```
.border{ border-color:rgb(72, 146, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 146, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 146, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 146, 121);  
box-shadow:4px 4px 4px 4px rgb(72, 146,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3160, 0.2670, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 146, 121) }
```

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

```
.background{ background-color: rgb(72, 146,  
121) }
```

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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