

Converting Colors

$Y_{xy}(23.3347, 0.2633, 0.3494)$

Have a look what the booklet for
Yxy(23.3347, 0.2633, 0.3494)
contains.

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Color

$Y_{xy}(23.3893, 0.2636, 0.3503)$

Conversions

Conversions Part 1

Format	Color
Hex	519085
RGB	81, 144, 133
RGB Percent	32%, 56%, 52%
CMY	0.6824, 0.4353, 0.4784
CMYK	0.44, 0.00, 0.08, 0.44
HSL	170°, 28%, 44%
HSV	170°, 44%, 56%
XYZ	17.6004, 23.3893, 25.7796
YIQ	123.9090, -34.0170, -16.7770

Conversions

Conversions Part 2

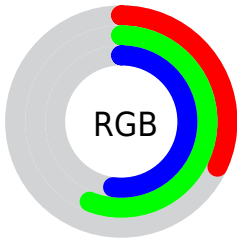
Format	Color
R _Y B	81, 116, 144
Decimal	5345413
CIE Lab	55.47, -23.07, -0.50
CIE LCh	55, 23.079, 181.247
Yxy	23.3893, 0.2636, 0.3503
Android (android.graphics.Color)	4283535493 (0xFF519085)
YUV	123.9090, 4.4819, -37.6312
Hunter-Lab	48.3625, -19.6734, 2.2492

Details

The Yxy color **23.3893, 0.2636, 0.3503** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.5868, 0.4028, 0.3096**, and the grayscale version is **20.1178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0017, 0.2743, 0.3457**, and **8.7018, 0.2443, 0.3563** is the 20% darker color. If you saturate the color by 10%, you get **22.7515, 0.2555, 0.3560**, and if you desaturate by 10%, it is **24.1656, 0.2732, 0.3448**.

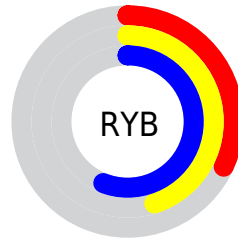
Distribution



Red (32%)

Green (56%)

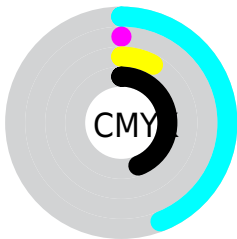
Blue (52%)



Red (32%)

Yellow (45%)

Blue (56%)

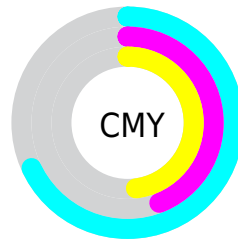


Cyan (44%)

Magenta (0%)

Yellow (8%)

Black (44%)



Cyan (68%)


Magenta (44%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3893, 0.2636, 0.3503 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 23.3893, 0.2636, 0.3503 by changing the saturation by 10% instead.


 23.3893, 0.2636,
0.3503


 23.3893, 0.2636,
0.3503


269.7183, 0.2908,
0.3386


 14.8812, 0.2558,
0.3537


 49.0318, 0.2742,
0.3457

 8.7361, 0.2450,
0.3583


 66.9350, 0.2780,
0.3441


 4.5694, 0.2292,
0.3650


 88.7386, 0.2811,
0.3428

 1.9969, 0.2040,
0.3756

 114.8272, 0.2837,
0.3417

 0.6057, 0.0095,
0.4614

 145.5851, 0.2859,
0.3407

 0.0000, 0.0000,
0.0000

181.3966, 0.2877,

0.3399

222.6462, 0.2894,
0.3392

■ 23.3893, 0.2636,
0.3503

■ 23.3893, 0.2636,
0.3503

■ 22.7515, 0.2555,
0.3560

■ 24.1656, 0.2732,
0.3448

■ 22.2406, 0.2490,
0.3620

■ 25.0854, 0.2839,
0.3397

■ 21.8482, 0.2442,
0.3681


■ 26.1569, 0.2956,
0.3349

■ 21.5631, 0.2414,
0.3742

■ 27.3869, 0.3080,
0.3305

■ 21.3722, 0.2403,
0.3803


■ 28.7817, 0.3207,
0.3266

 21.2761, 0.2400,
0.3841

 30.3473, 0.3336,
0.3230

 32.0895, 0.3466,
0.3198

 34.0136, 0.3593,
0.3170

 36.1250, 0.3718,
0.3146

Harmonies

Analogous

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



23.3893, 0.2987, 0.3853



23.3893, 0.2636, 0.3503



23.3893, 0.2422, 0.3108

Triad

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



23.3893, 0.2636, 0.3503



23.3893, 0.2830, 0.2656



23.3893, 0.3925, 0.3714

Complementary

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



23.3893, 0.2636, 0.3503



12.5868, 0.4028, 0.3096

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.



23.3893, 0.3886, 0.3394



23.3893, 0.2636, 0.3503



23.3893, 0.3231, 0.2808

Square

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



23.3893, 0.2636, 0.3503



23.3893, 0.2529, 0.2647



23.3893, 0.3625, 0.3071



23.3893, 0.3738, 0.3952

Rectangle

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



23.3893, 0.2636, 0.3503



23.3893, 0.2377, 0.2889



23.3893, 0.3625, 0.3071



23.3893, 0.3939, 0.3612

Sweetspot

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



23.3902, 0.2636, 0.3503



46.2316, 0.2962, 0.3347



22.8451, 0.3177, 0.4557



10.5087, 0.2938, 0.3356



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.



23.3902, 0.2636, 0.3503



40.0930, 0.2552, 0.3562



18.1912, 0.2486, 0.2892



6.1004, 0.3012, 0.3329



18.5300, 0.2399, 0.3838



0.1799, 0.2318, 0.3546

Inverse Universe

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



12.5868, 0.4028, 0.3096



18.3679, 0.4372, 0.3057



15.8213, 0.4067, 0.3648



5.4385, 0.3256, 0.3252



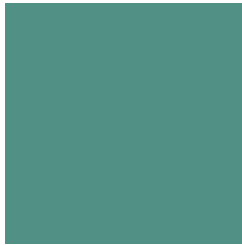
5.2276, 0.6087, 0.3127



0.0523, 0.5196, 0.2636

Previews

White Background



This preview shows how the Yxy color 23.3893, 0.2636, 0.3503 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 23.3893, 0.2636, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

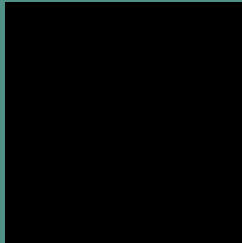
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.3893, 0.2636, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 23.3893, 0.2636, 0.3503.

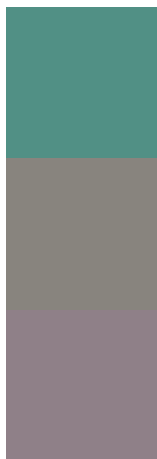


This preview shows how white text looks on a background with the Yxy color 23.3893, 0.2636, 0.3503.

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

23.3893, 0.2636, 0.3503

Protanopia

23.2431, 0.3238, 0.3395

Deuteranopia

23.0556, 0.3216, 0.3156



Tritanopia

23.3281, 0.2512, 0.3067

Trichromacy



Original Color

23.3893, 0.2636, 0.3503

Protanomaly

22.9063, 0.2980, 0.3418

Deuteranomaly

22.7925, 0.2963, 0.3272

Tritanomaly

23.3061, 0.2553, 0.3213

Monochromacy



Original Color

23.3893, 0.2636, 0.3503

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.9531, 0.2913, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3893, 0.2636, 0.3503 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(81, 144, 133)` looks like.

```
.text, #text, p{  
    color:rgb(81, 144, 133)  
}
```

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(81, 144, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 144, 133) }
```

Border

The CSS property to change the border of an element to Yxy 23.3893, 0.2636, 0.3503 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(81, 144, 133) }
```

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

```
.border{ border-color:rgb(81, 144, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 144, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 144, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 144, 133);  
box-shadow:4px 4px 4px 4px rgb(81, 144,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3893, 0.2636, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 144, 133) }
```

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

```
.background{ background-color: rgb(81, 144,  
133) }
```

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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