

Converting Colors

$Y_{xy}(23.0848, 0.2565, 0.3470)$

Have a look what the booklet for
Yxy(23.0848, 0.2565, 0.3470)
contains.

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Color

$\text{Yxy}(23.1123, 0.2563, 0.3466)$

Conversions

Conversions Part 1

Format	Color
Hex	499087
RGB	73, 144, 135
RGB Percent	29%, 56%, 53%
CMY	0.7139, 0.4353, 0.4706
CMYK	0.49, 0.00, 0.06, 0.44
HSL	172°, 33%, 43%
HSV	172°, 49%, 56%
XYZ	17.0908, 23.1123, 26.4798
YIQ	121.7450, -39.4270, -17.8510

Conversions

Conversions Part 2

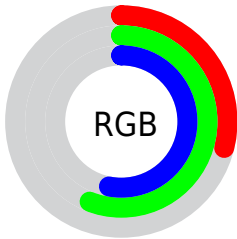
Format	Color
R_{YB}	73, 111, 144
Decimal	4821127
CIE _{Lab}	55.19, -24.63, -2.10
CIE _{LCh}	55, 24.720, 184.875
Yxy	23.1123, 0.2563, 0.3466
Android (android.graphics.Color)	4283011207 (0xFF499087)
YUV	121.7450, 6.5347, -42.7494
Hunter-Lab	48.0753, -20.6746, 0.9958

Details

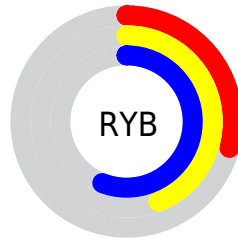
The Yxy color **23.1123, 0.2563, 0.3466** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.2974, 0.4273, 0.3134**, and the grayscale version is **19.3591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5310, 0.2687, 0.3430**, and **8.5557, 0.2353, 0.3536** is the 20% darker color. If you saturate the color by 10%, you get **22.5637, 0.2487, 0.3508**, and if you desaturate by 10%, it is **23.7938, 0.2655, 0.3426**.

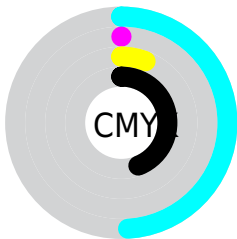
Distribution



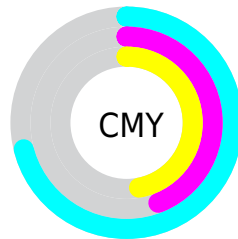
- Red (29%)
- Green (56%)
- Blue (53%)



- Red (29%)
- Yellow (44%)
- Blue (56%)



- Cyan (49%)
- Magenta (0%)
- Yellow (6%)
- Black (44%)





- Cyan (71%)
- Magenta (44%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1123, 0.2563, 0.3466 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 23.1123, 0.2563, 0.3466 by changing the saturation by 10% instead.


 23.1123, 0.2563,
0.3466


 23.1123, 0.2563,
0.3466


268.3013, 0.2875,
0.3371


 14.6765, 0.2474,
0.3492


 48.5777, 0.2685,
0.3430


 8.5926, 0.2351,
0.3528


 66.3760, 0.2728,
0.3416


 4.4764, 0.2172,
0.3577

 88.0639, 0.2763,
0.3406

 1.9435, 0.1891,
0.3650

 114.0258, 0.2793,
0.3396

 0.5743, 0.0000,
0.4265

 144.6461, 0.2818,
0.3389

 0.0000, 0.0000,
0.0000

180.3091, 0.2840,

0.3382

221.3994, 0.2859,
0.3376

■ 23.1123, 0.2563,
0.3466

■ 23.1123, 0.2563,
0.3466

■ 22.5637, 0.2487,
0.3508

■ 23.7938, 0.2655,
0.3426

■ 22.1363, 0.2428,
0.3551

■ 24.6137, 0.2761,
0.3388

■ 21.8205, 0.2388,
0.3594


■ 25.5806, 0.2878,
0.3352


■ 21.6043, 0.2366,
0.3637


■ 26.7014, 0.3004,
0.3318

■ 21.4584, 0.2357,
0.3680


■ 27.9828, 0.3136,
0.3288

 21.4492, 0.2356,
0.3683

 29.4310, 0.3271,
0.3261

 31.0517, 0.3408,
0.3236

 32.8505, 0.3545,
0.3214

 34.8329, 0.3679,
0.3195

Harmonies

Analogous

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



23.1123, 0.2924, 0.3861



23.1123, 0.2563, 0.3466



23.1123, 0.2357, 0.3045

Triad

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



23.1123, 0.2563, 0.3466



23.1123, 0.2855, 0.2624



23.1123, 0.3973, 0.3778

Complementary

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



23.1123, 0.2563, 0.3466



11.2974, 0.4273, 0.3134

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.



23.1123, 0.3963, 0.3441



23.1123, 0.2563, 0.3466



23.1123, 0.3292, 0.2804

Square

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



23.1123, 0.2563, 0.3466



23.1123, 0.2517, 0.2594



23.1123, 0.3707, 0.3094



23.1123, 0.3744, 0.4021

Rectangle

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



23.1123, 0.2563, 0.3466



23.1123, 0.2326, 0.2821



23.1123, 0.3707, 0.3094



23.1123, 0.3998, 0.3672

Sweetspot

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



23.1132, 0.2563, 0.3466



45.8758, 0.2928, 0.3338



22.2429, 0.3143, 0.4758



10.4370, 0.2905, 0.3344



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.



23.1132, 0.2563, 0.3466



39.7176, 0.2481, 0.3511



16.3747, 0.2398, 0.2755



6.1047, 0.3006, 0.3318



18.6779, 0.2356, 0.3680



0.1807, 0.2297, 0.3470

Inverse Universe

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



11.2974, 0.4273, 0.3134



16.4137, 0.4691, 0.3111



15.3353, 0.4202, 0.3754



5.4345, 0.3263, 0.3262



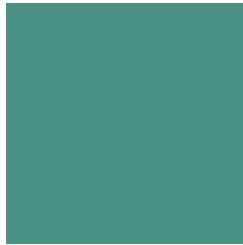
5.2043, 0.6196, 0.3187



0.0515, 0.5462, 0.2783

Previews

White Background



This preview shows how the Yxy color 23.1123, 0.2563, 0.3466 looks on a white background.

Color Contrast Check

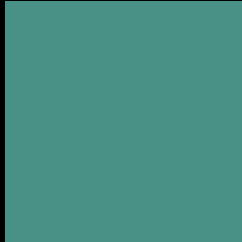
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1123, 0.2563, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

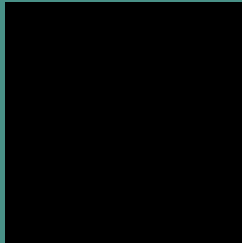
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.1123, 0.2563, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 23.1123, 0.2563, 0.3466.



This preview shows how white text looks on a background with the Yxy color 23.1123, 0.2563, 0.3466.

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

23.1123, 0.2563, 0.3466

Protanopia

22.9158, 0.3217, 0.3360

Deuteranopia

22.9651, 0.3159, 0.3105



Tritanopia

23.0119, 0.2463, 0.3064

Trichromacy



Original Color

23.1123, 0.2563, 0.3466

Protanomaly

22.6648, 0.2928, 0.3401

Deuteranomaly

22.5982, 0.2892, 0.3217

Tritanomaly

22.9991, 0.2503, 0.3212

Monochromacy



Original Color

23.1123, 0.2563, 0.3466

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.4406, 0.2870, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1123, 0.2563, 0.3466 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(73, 144, 135)` looks like.

```
.text, #text, p{  
    color:rgb(73, 144, 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(73, 144, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 144, 135) }
```

Border

The CSS property to change the border of an element to Yxy 23.1123, 0.2563, 0.3466 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(73, 144, 135) }
```

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

```
.border{ border-color:rgb(73, 144, 135) }
```

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

Here you see how a box with a 4 pixel rgb(73, 144, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 144, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 144, 135);  
box-shadow:4px 4px 4px 4px rgb(73, 144,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 23.1123, 0.2563, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 144, 135) }
```

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

```
.background{ background-color: rgb(73, 144,  
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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