

Converting Colors

$Y_{xy}(23.5098, 0.2719, 0.3598)$

Have a look what the booklet for
Yxy(23.5098, 0.2719, 0.3598)
contains.

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Color

Yxy(23.5313, 0.2723, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	579080
RGB	87, 144, 128
RGB Percent	34%, 56%, 50%
CMY	0.6590, 0.4353, 0.4979
CMYK	0.40, 0.00, 0.11, 0.44
HSL	163°, 25%, 45%
HSV	163°, 40%, 56%
XYZ	17.7988, 23.5313, 24.0346
YIQ	125.1330, -28.8360, -17.0600

Conversions

Conversions Part 2

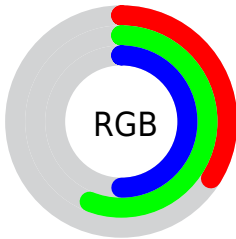
Format	Color
R_{YB}	87, 120, 144
Decimal	5738624
CIE _{Lab}	55.62, -22.63, 2.60
CIE _{LCh}	56, 22.778, 173.436
Yxy	23.5313, 0.2723, 0.3600
Android (android.graphics.Color)	4283928704 (0xFF579080)
YUV	125.1330, 1.4134, -33.4426
Hunter-Lab	48.5091, -19.3962, 4.5802

Details

The Yxy color **23.5313, 0.2723, 0.3600** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.7188, 0.3804, 0.3007**, and the grayscale version is **20.5561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2133, 0.2808, 0.3527**, and **8.7683, 0.2566, 0.3717** is the 20% darker color. If you saturate the color by 10%, you get **22.8030, 0.2645, 0.3694**, and if you desaturate by 10%, it is **24.4040, 0.2814, 0.3512**.

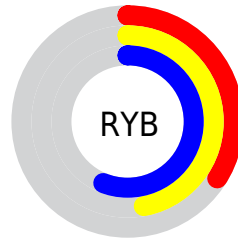
Distribution



Red (34%)

Green (56%)

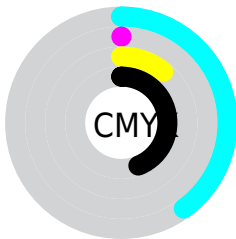
Blue (50%)



Red (34%)

Yellow (47%)

Blue (56%)

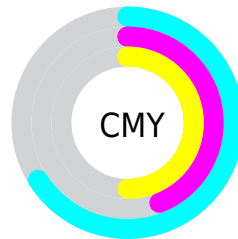


Cyan (40%)

Magenta (0%)

Yellow (11%)

Black (44%)



Cyan (66%)


Magenta (44%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5313, 0.2723, 0.3600 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 23.5313, 0.2723, 0.3600 by changing the saturation by 10% instead.


 23.5313, 0.2723,
0.3600


 23.5313, 0.2723,
0.3600


270.4422, 0.2949,
0.3425


 14.9863, 0.2657,
0.3652


 49.2643, 0.2812,
0.3531

 8.8098, 0.2566,
0.3724


 67.2210, 0.2843,
0.3507


 4.6173, 0.2431,
0.3833

 89.0838, 0.2868,
0.3487

 2.0245, 0.2213,
0.4014

 115.2370, 0.2890,
0.3471

 0.6217, 0.0333,
0.5383

 146.0651, 0.2908,
0.3457

 0.0000, 0.0000,
0.0000

181.9524, 0.2923,

0.3445

223.2833, 0.2937,
0.3434

■ 23.5313, 0.2723,
0.3600

■ 23.5313, 0.2723,
0.3600

■ 22.8030, 0.2645,
0.3694

■ 24.4040, 0.2814,
0.3512

■ 22.2080, 0.2581,
0.3792

■ 25.4258, 0.2914,
0.3430

■ 21.7379, 0.2534,
0.3893

■ 26.6048, 0.3021,
0.3355

■ 21.3824, 0.2506,
0.3996

■ 27.9477, 0.3132,
0.3287

■ 21.1293, 0.2497,
0.4099

■ 29.4606, 0.3245,
0.3226

■ 20.9479, 0.2501,
0.4202

■ 31.1495, 0.3358,
0.3172

■ 20.9411, 0.2502,
0.4206

■ 33.0200, 0.3470,
0.3124

■ 35.0774, 0.3579,
0.3081

■ 37.3270, 0.3686,
0.3044

Harmonies

Analogous

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



23.5313, 0.3092, 0.3908



23.5313, 0.2723, 0.3600



23.5313, 0.2471, 0.3209

Triad

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



23.5313, 0.2723, 0.3600



23.5313, 0.2744, 0.2647



23.5313, 0.3926, 0.3631

Complementary

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



23.5313, 0.2723, 0.3600



13.7188, 0.3804, 0.3007

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.



23.5313, 0.3827, 0.3308



23.5313, 0.2723, 0.3600



23.5313, 0.3122, 0.2764

Square

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



23.5313, 0.2723, 0.3600



23.5313, 0.2484, 0.2681



23.5313, 0.3524, 0.2999



23.5313, 0.3796, 0.3894

Rectangle

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



23.5313, 0.2723, 0.3600



23.5313, 0.2395, 0.2973



23.5313, 0.3524, 0.2999



23.5313, 0.3919, 0.3526

Sweetspot

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



23.5322, 0.2723, 0.3600



46.3445, 0.2992, 0.3375



23.5271, 0.3236, 0.4400



10.5727, 0.2980, 0.3383



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.



23.5322, 0.2723, 0.3600



40.2887, 0.2649, 0.3688



20.4455, 0.2560, 0.3050



6.0909, 0.3025, 0.3352



18.2383, 0.2500, 0.4200



0.1781, 0.2369, 0.3728

Inverse Universe

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



13.7188, 0.3804, 0.3007



20.3709, 0.4051, 0.2943



15.6027, 0.3989, 0.3514



5.4474, 0.3240, 0.3229



5.3024, 0.5769, 0.2951



0.0541, 0.4718, 0.2372

Previews

White Background



This preview shows how the Yxy color 23.5313, 0.2723, 0.3600 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 23.5313, 0.2723, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

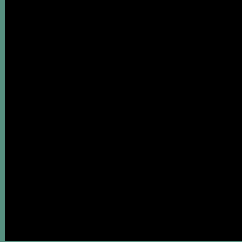
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.5313, 0.2723, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 23.5313, 0.2723, 0.3600.

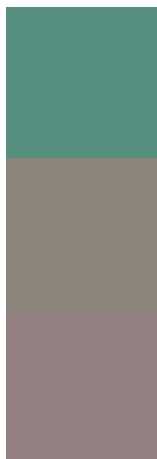


This preview shows how white text looks on a background with the Yxy color 23.5313, 0.2723, 0.3600.

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

23.5313, 0.2723, 0.3600

Protanopia

23.3109, 0.3306, 0.3464

Deuteranopia

23.1880, 0.3308, 0.3240



Tritanopia

23.6439, 0.2573, 0.3087

Trichromacy



Original Color

23.5313, 0.2723, 0.3600

Protanomaly

22.9855, 0.3062, 0.3510

Deuteranomaly

23.0219, 0.3068, 0.3361

Tritanomaly

23.5533, 0.2630, 0.3270

Monochromacy



Original Color

23.5313, 0.2723, 0.3600

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.3884, 0.2955, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5313, 0.2723, 0.3600 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(87, 144, 128)` looks like.

```
.text, #text, p{  
  color:rgb(87, 144, 128)  
}
```

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(87, 144, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 144, 128) }
```

Border

The CSS property to change the border of an element to Yxy 23.5313, 0.2723, 0.3600 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(87, 144, 128) }
```

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

```
.border{ border-color:rgb(87, 144, 128) }
```

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

Here you see how a box with a 4 pixel rgb(87, 144, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 144, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 144, 128);  
box-shadow:4px 4px 4px 4px rgb(87, 144,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5313, 0.2723, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 144, 128) }
```

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

```
.background{ background-color: rgb(87, 144,  
128) }
```

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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