

Converting Colors

$Y_{xy}(23.9455, 0.2745, 0.3717)$

Have a look what the booklet for
Yxy(23.9455, 0.2745, 0.3717)
contains.

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Color

Yxy(23.9443, 0.2744, 0.3720)

Conversions

Conversions Part 1

Format	Color
Hex	55927C
RGB	85, 146, 124
RGB Percent	33%, 57%, 49%
CMY	0.6667, 0.4274, 0.5137
CMYK	0.42, 0.00, 0.15, 0.43
HSL	158°, 26%, 45%
HSV	158°, 42%, 57%
XYZ	17.6621, 23.9443, 22.7600
YIQ	125.2530, -29.2940, -19.7740

Conversions

Conversions Part 2

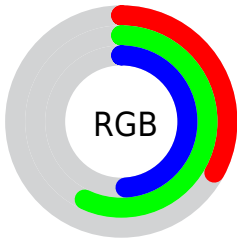
Format	Color
RYB	85, 122, 146
Decimal	5608060
CIELab	56.03, -25.16, 5.50
CIElCh	56, 25.752, 167.673
Yxy	23.9443, 0.2744, 0.3720
Android (android.graphics.Color)	4283798140 (0xFF55927C)
YUV	125.2530, -0.6177, -35.3019
Hunter-Lab	48.9329, -21.2037, 6.6757

Details

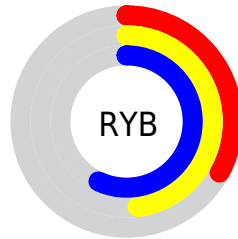
The Yxy color **23.9443, 0.2744, 0.3720** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **13.6672, 0.3775, 0.2906**, and the grayscale version is **20.6066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8464, 0.2835, 0.3626**, and **9.0158, 0.2594, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **23.2014, 0.2676, 0.3845**, and if you desaturate by 10%, it is **24.8372, 0.2824, 0.3603**.

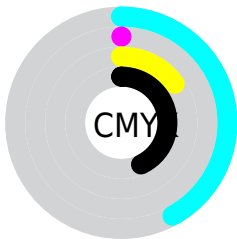
Distribution



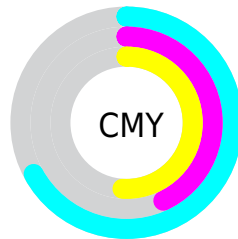
- Red (33%)
- Green (57%)
- Blue (49%)



- Red (33%)
- Yellow (48%)
- Blue (57%)



- Cyan (42%)
- Magenta (0%)
- Yellow (15%)
- Black (43%)




- Cyan (67%)
- Magenta (43%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9443, 0.2744, 0.3720 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 23.9443, 0.2744, 0.3720 by changing the saturation by 10% instead.


 23.9443, 0.2744,
0.3720


 23.9443, 0.2744,
0.3720

272.5388, 0.2959,
0.3476


 15.2923, 0.2681,
0.3794


 49.9393, 0.2829,
0.3623

 9.0248, 0.2592,
0.3897


 68.0511, 0.2859,
0.3589

 4.7574, 0.2461,
0.4055

 90.0849, 0.2883,
0.3561

 2.1056, 0.2246,
0.4320

 116.4252, 0.2903,
0.3538

 0.6678, 0.0199,
0.6477

 147.4563, 0.2920,
0.3519

 0.0000, 0.0000,
0.0000

183.5627, 0.2935,

0.3502

225.1287, 0.2948,
0.3488

■ 23.9443, 0.2744,
0.3720

■ 23.9443, 0.2744,
0.3720

■ 23.2014, 0.2676,
0.3845

■ 24.8372, 0.2824,
0.3603

■ 22.5969, 0.2622,
0.3975

■ 25.8854, 0.2914,
0.3494

■ 22.1218, 0.2586,
0.4110


■ 27.0972, 0.3009,
0.3395


■ 21.7649, 0.2569,
0.4246


■ 28.4798, 0.3109,
0.3305


■ 21.5132, 0.2571,
0.4382


■ 30.0397, 0.3210,
0.3224

 21.3561, 0.2581,
0.4492

 31.7831, 0.3312,
0.3153

 33.7160, 0.3412,
0.3089

 35.8440, 0.3509,
0.3033

 38.1726, 0.3604,
0.2984

Harmonies

Analogous

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



23.9443, 0.3170, 0.4033



23.9443, 0.2744, 0.3720



23.9443, 0.2434, 0.3279

Triad

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



23.9443, 0.2744, 0.3720



23.9443, 0.2630, 0.2568



23.9443, 0.4025, 0.3598

Complementary

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



23.9443, 0.2744, 0.3720



13.6672, 0.3775, 0.2906

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.



23.9443, 0.3864, 0.3236



23.9443, 0.2744, 0.3720



23.9443, 0.3032, 0.2668

Square

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



23.9443, 0.2744, 0.3720



23.9443, 0.2374, 0.2635



23.9443, 0.3490, 0.2906



23.9443, 0.3923, 0.3915

Rectangle

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



23.9443, 0.2744, 0.3720



23.9443, 0.2326, 0.3001



23.9443, 0.3490, 0.2906



23.9443, 0.4000, 0.3478

Sweetspot

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



23.9453, 0.2744, 0.3720



47.4661, 0.2995, 0.3409



24.3631, 0.3293, 0.4451



10.4607, 0.2976, 0.3429



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.



23.9453, 0.2744, 0.3720



41.0203, 0.2681, 0.3835



22.1455, 0.2547, 0.3134



6.5271, 0.3035, 0.3371



18.7964, 0.2579, 0.4485



0.2357, 0.2412, 0.3882

Inverse Universe

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



13.6672, 0.3775, 0.2906



20.4166, 0.3995, 0.2826



14.6169, 0.4096, 0.3437



5.8479, 0.3229, 0.3210



5.6050, 0.5477, 0.2791



0.0739, 0.4429, 0.2213

Previews

White Background



This preview shows how the Yxy color 23.9443, 0.2744, 0.3720 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 23.9443, 0.2744, 0.3720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

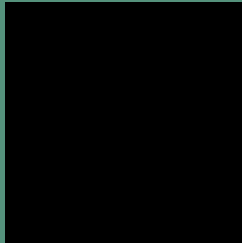
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9443, 0.2744, 0.3720

Background



This preview shows how black text looks on a background with the Yxy color 23.9443, 0.2744, 0.3720.



This preview shows how white text looks on a background with the Yxy color 23.9443, 0.2744, 0.3720.

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

23.9443, 0.2744, 0.3720

Protanopia

23.6349, 0.3383, 0.3567

Deuteranopia

23.6486, 0.3376, 0.3307



Tritanopia

23.9212, 0.2561, 0.3088

Trichromacy



Original Color

23.9443, 0.2744, 0.3720

Protanomaly

23.5261, 0.3112, 0.3620

Deuteranomaly

23.2959, 0.3109, 0.3433

Tritanomaly

23.7218, 0.2625, 0.3307

Monochromacy



Original Color

23.9443, 0.2744, 0.3720

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.5707, 0.2955, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9443, 0.2744, 0.3720 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(85, 146, 124)` looks like.

```
.text, #text, p{  
  color:rgb(85, 146, 124)  
}
```

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(85, 146, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 146, 124) }
```

Border

The CSS property to change the border of an element to Yxy 23.9443, 0.2744, 0.3720 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(85, 146, 124) }
```

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

```
.border{ border-color:rgb(85, 146, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 146, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 146, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 146, 124);  
box-shadow:4px 4px 4px 4px rgb(85, 146,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9443, 0.2744, 0.3720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 146, 124) }
```

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

```
.background{ background-color: rgb(85, 146,  
124) }
```

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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