

Converting Colors

$Y_{xy}(23.7993, 0.2729, 0.3545)$

Have a look what the booklet for
Yxy(23.7993, 0.2729, 0.3545)
contains.

Yxy(23.7589, 0.2724, 0.3539)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.7589, 0.2724, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	5A9083
RGB	90, 144, 131
RGB Percent	35%, 56%, 51%
CMY	0.6469, 0.4353, 0.4863
CMYK	0.37, 0.00, 0.09, 0.44
HSL	166°, 23%, 46%
HSV	166°, 37%, 56%
XYZ	18.2874, 23.7589, 25.0882
YIQ	126.3720, -28.0110, -15.4910

Conversions

Conversions Part 2

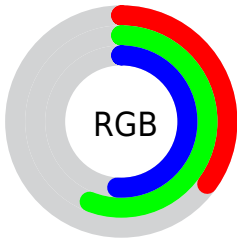
Format	Color
R_{YB}	90, 121, 144
Decimal	5935235
CIE _{Lab}	55.85, -21.03, 1.26
CIE _{LCh}	56, 21.065, 176.572
Yxy	23.7589, 0.2724, 0.3539
Android (android.graphics.Color)	4284125315 (0xFF5A9083)
YUV	126.3720, 2.2816, -31.8982
Hunter-Lab	48.7431, -18.3308, 3.6035

Details

The Yxy color **23.7589, 0.2724, 0.3539** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.2268, 0.3787, 0.3060**, and the grayscale version is **20.9987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5996, 0.2809, 0.3483**, and **8.8692, 0.2560, 0.3619** is the 20% darker color. If you saturate the color by 10%, you get **23.0135, 0.2639, 0.3618**, and if you desaturate by 10%, it is **24.6493, 0.2821, 0.3465**.

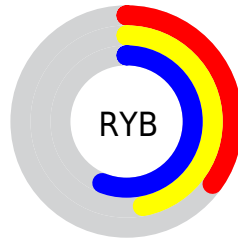
Distribution



Red (35%)

Green (56%)

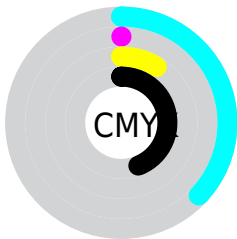
Blue (51%)



Red (35%)

Yellow (47%)

Blue (56%)

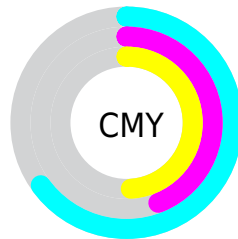


Cyan (37%)

Magenta (0%)

Yellow (9%)

Black (44%)



Cyan (65%)


Magenta (44%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.7589, 0.2724, 0.3539 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 23.7589, 0.2724, 0.3539 by changing the saturation by 10% instead.


 23.7589, 0.2724,
0.3539


 23.7589, 0.2724,
0.3539


271.5993, 0.2948,
0.3400


 15.1549, 0.2659,
0.3580


 49.6365, 0.2812,
0.3484


 8.9281, 0.2569,
0.3636


 67.6788, 0.2843,
0.3465

 4.6943, 0.2438,
0.3720

 89.6360, 0.2868,
0.3449

 2.0691, 0.2226,
0.3857

 115.8925, 0.2889,
0.3436

 0.6471, 0.0745,
0.4739

146.8327, 0.2907,
0.3425

 0.0000, 0.0000,
0.0000

182.8410, 0.2923,

0.3415

224.3017, 0.2936,
0.3407

■ 23.7589, 0.2724,
0.3539

■ 23.7589, 0.2724,
0.3539

■ 23.0135, 0.2639,
0.3618

■ 24.6493, 0.2821,
0.3465

■ 22.4020, 0.2569,
0.3700

■ 25.6893, 0.2927,
0.3396

■ 21.9166, 0.2515,
0.3786

■ 26.8868, 0.3040,
0.3333

■ 21.5470, 0.2480,
0.3873

■ 28.2484, 0.3157,
0.3276

■ 21.2816, 0.2464,
0.3960

■ 29.7801, 0.3276,
0.3225

■ 21.0988, 0.2463,
0.4047

■ 31.4879, 0.3395,
0.3179

■ 21.0564, 0.2464,
0.4070

■ 33.3773, 0.3513,
0.3138

■ 35.4535, 0.3628,
0.3103

■ 37.7216, 0.3739,
0.3072

Harmonies

Analogous

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



23.7589, 0.3058, 0.3834



23.7589, 0.2724, 0.3539



23.7589, 0.2504, 0.3181

Triad

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



23.7589, 0.2724, 0.3539



23.7589, 0.2807, 0.2699



23.7589, 0.3861, 0.3637

Complementary

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



23.7589, 0.2724, 0.3539



14.2268, 0.3787, 0.3060

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.



23.7589, 0.3791, 0.3341



23.7589, 0.2724, 0.3539



23.7589, 0.3163, 0.2820

Square

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



23.7589, 0.2724, 0.3539



23.7589, 0.2550, 0.2716



23.7589, 0.3529, 0.3049



23.7589, 0.3722, 0.3868

Rectangle

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



23.7589, 0.2724, 0.3539



23.7589, 0.2445, 0.2970



23.7589, 0.3529, 0.3049



23.7589, 0.3861, 0.3542

Sweetspot

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



23.7599, 0.2724, 0.3539



46.5977, 0.2997, 0.3356



23.5997, 0.3213, 0.4339



10.6275, 0.2983, 0.3364



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.



23.7599, 0.2724, 0.3539



40.7794, 0.2651, 0.3605



20.2893, 0.2583, 0.3029



6.0944, 0.3020, 0.3344



18.3401, 0.2462, 0.4065



0.1788, 0.2349, 0.3658

Inverse Universe

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



14.2268, 0.3787, 0.3060



21.4557, 0.4014, 0.3009



16.4727, 0.3915, 0.3533



5.4441, 0.3246, 0.3237



5.2709, 0.5897, 0.3022



0.0534, 0.4879, 0.2461

Previews

White Background



This preview shows how the Yxy color 23.7589, 0.2724, 0.3539 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 23.7589, 0.2724, 0.3539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

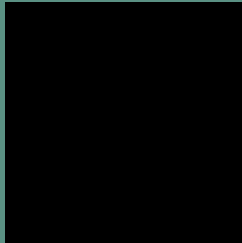
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7589, 0.2724, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 23.7589, 0.2724, 0.3539.



This preview shows how white text looks on a background with the Yxy color 23.7589, 0.2724, 0.3539.

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

23.7589, 0.2724, 0.3539

Protanopia

23.6590, 0.3271, 0.3428

Deuteranopia

23.5327, 0.3272, 0.3207



Tritanopia

23.7496, 0.2589, 0.3088

Trichromacy



Original Color

23.7589, 0.2724, 0.3539

Protanomaly

23.4886, 0.3053, 0.3471

Deuteranomaly

23.1793, 0.3048, 0.3308

Tritanomaly

23.6868, 0.2638, 0.3251

Monochromacy



Original Color

23.7589, 0.2724, 0.3539

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.8443, 0.2957, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7589, 0.2724, 0.3539 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(90, 144, 131)` looks like.

```
.text, #text, p{  
    color:rgb(90, 144, 131)  
}
```

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(90, 144, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 144, 131) }
```

Border

The CSS property to change the border of an element to Yxy 23.7589, 0.2724, 0.3539 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(90, 144, 131) }
```

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

```
.border{ border-color:rgb(90, 144, 131) }
```

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

Here you see how a box with a 4 pixel rgb(90, 144, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 144, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 144, 131);  
box-shadow:4px 4px 4px 4px rgb(90, 144,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7589, 0.2724, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 144, 131) }
```

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

```
.background{ background-color: rgb(90, 144,  
131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor