

Converting Colors

$Y_{xy}(23.8735, 0.2648, 0.3138)$

Have a look what the booklet for
Yxy(23.8735, 0.2648, 0.3138)
contains.

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Color

Yxy(23.8723, 0.2646, 0.3143)

Conversions

Conversions Part 1

Format	Color
Hex	638D95
RGB	99, 141, 149
RGB Percent	39%, 55%, 58%
CMY	0.6117, 0.4471, 0.4157
CMYK	0.34, 0.05, 0.00, 0.42
HSL	190°, 20%, 49%
HSV	190°, 34%, 58%
XYZ	20.0974, 23.8723, 31.9842
YIQ	129.3540, -27.6000, -6.4160

Conversions

Conversions Part 2

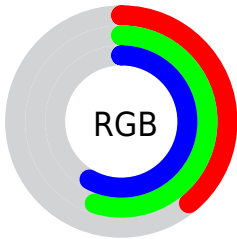
Format	Color
R_{YB}	99, 122, 149
Decimal	6524309
CIE _{Lab}	55.96, -12.29, -8.88
CIE _{LCh}	56, 15.167, 215.845
Yxy	23.8723, 0.2646, 0.3143
Android (android.graphics.Color)	4284714389 (0xFF638D95)
YUV	129.3540, 9.6855, -26.6205
Hunter-Lab	48.8593, -12.0810, -4.6108

Details

The Yxy color $23.8723, 0.2646, 0.3143$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.8136, 0.3834, 0.3431$, and the grayscale version is $22.0584, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9213, 0.2745, 0.3183$, and $9.0170, 0.2475, 0.3094$ is the 20% darker color. If you saturate the color by 10%, you get $22.4133, 0.2520, 0.3092$, and if you desaturate by 10%, it is $25.5032, 0.2782, 0.3191$.

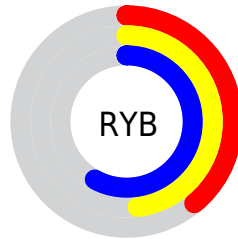
Distribution



Red (39%)

Green (55%)

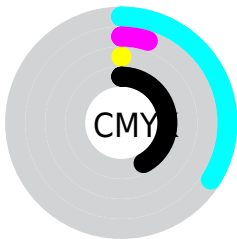
Blue (58%)



Red (39%)

Yellow (48%)

Blue (58%)

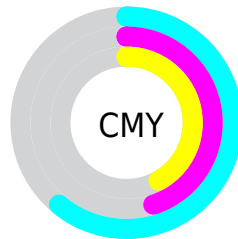


Cyan (34%)

Magenta (5%)

Yellow (0%)

Black (42%)



Cyan (61%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8723, 0.2646, 0.3143 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 23.8723, 0.2646, 0.3143 by changing the saturation by 10% instead.

■ 23.8723, 0.2646,
0.3143

■ 23.8723, 0.2646,
0.3143

272.1742, 0.2910,
0.3229

■ 15.2389, 0.2572,
0.3116

■ 49.8217, 0.2748,
0.3178

■ 8.9872, 0.2470,
0.3079

■ 67.9066, 0.2784,
0.3190

■ 4.7329, 0.2324,
0.3021

■ 89.9107, 0.2814,
0.3199

■ 2.0914, 0.2098,
0.2922

■ 116.2185, 0.2839,
0.3207

■ 0.6598, 0.1376,
0.2776

147.2143, 0.2861,
0.3214

■ 0.0000, 0.0000,
0.0000

183.2826, 0.2879,

0.3220

224.8078, 0.2895,
0.3224

■ 23.8723, 0.2646,
0.3143

■ 23.8723, 0.2646,
0.3143

■ 22.4133, 0.2520,
0.3092

■ 25.5032, 0.2782,
0.3191

■ 21.1148, 0.2408,
0.3039

■ 27.3113, 0.2926,
0.3235

■ 19.9682, 0.2312,
0.2984

■ 29.3047, 0.3074,
0.3276

■ 18.9631, 0.2232,
0.2929

■ 31.4906, 0.3224,
0.3314

■ 18.0874, 0.2171,
0.2873

■ 33.8755, 0.3375,
0.3347

■ 17.3269, 0.2129,
0.2817

■ 36.4658, 0.3523,
0.3377

■ 16.8709, 0.2106,
0.2781

■ 39.2673, 0.3668,
0.3404

■ 42.2858, 0.3808,
0.3427

■ 45.5269, 0.3943,
0.3447

Harmonies

Analogous

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



23.8723, 0.2776, 0.3392



23.8723, 0.2646, 0.3143



23.8723, 0.2639, 0.2950

Triad

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



23.8723, 0.2646, 0.3143



23.8723, 0.3240, 0.2990



23.8723, 0.3501, 0.3739

Complementary

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



23.8723, 0.2646, 0.3143



17.8136, 0.3834, 0.3431

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.



23.8723, 0.3638, 0.3607



23.8723, 0.2646, 0.3143



23.8723, 0.3485, 0.3180

Square

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



23.8723, 0.2646, 0.3143



23.8723, 0.2973, 0.2873



23.8723, 0.3634, 0.3402



23.8723, 0.3266, 0.3749

Rectangle

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



23.8723, 0.2646, 0.3143



23.8723, 0.2704, 0.2875



23.8723, 0.3634, 0.3402



23.8723, 0.3561, 0.3707

Sweetspot

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



23.8732, 0.2646, 0.3143



50.0618, 0.2975, 0.3250



25.2021, 0.3017, 0.4105



10.9963, 0.2956, 0.3244



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.8732, 0.2646, 0.3143



40.8209, 0.2554, 0.3106



17.4347, 0.2588, 0.2673



6.4057, 0.2990, 0.3254



14.2339, 0.2107, 0.2785



0.2083, 0.2181, 0.3052

Inverse Universe

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



17.2415, 0.3268, 0.2601



27.3501, 0.3306, 0.2454



23.6619, 0.3703, 0.3837



5.8934, 0.3160, 0.3106



6.6303, 0.3649, 0.1784



0.0846, 0.3408, 0.1651

Previews

White Background



This preview shows how the Yxy color 23.8723, 0.2646, 0.3143 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 23.8723, 0.2646, 0.3143 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

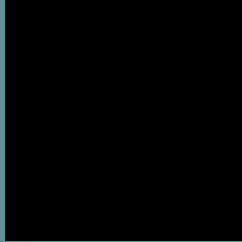
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8723, 0.2646, 0.3143

Background



This preview shows how black text looks on a background with the Yxy color 23.8723, 0.2646, 0.3143.



This preview shows how white text looks on a background with the Yxy color 23.8723, 0.2646, 0.3143.

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

23.8723, 0.2646, 0.3143

Protanopia

23.7752, 0.3014, 0.3103

Deuteranopia

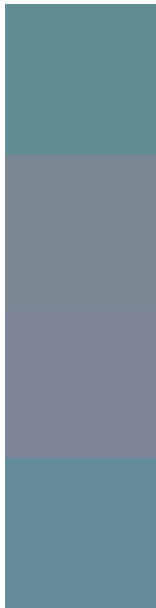
23.6029, 0.2998, 0.2942



Tritanopia

24.0261, 0.2630, 0.3091

Trichromacy



Original Color

23.8723, 0.2646, 0.3143

Protanomaly

23.7486, 0.2869, 0.3115

Deuteranomaly

23.5373, 0.2861, 0.3014

Tritanomaly

23.9934, 0.2638, 0.3108

Monochromacy



Original Color

23.8723, 0.2646, 0.3143

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4042, 0.2932, 0.3235

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8723, 0.2646, 0.3143 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(99, 141, 149)` looks like.

```
.text, #text, p{  
  color:rgb(99, 141, 149)  
}
```

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(99, 141, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 141, 149) }
```

Border

The CSS property to change the border of an element to Yxy 23.8723, 0.2646, 0.3143 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(99, 141, 149) }
```

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

```
.border{ border-color:rgb(99, 141, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 141, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 141, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 141, 149);  
box-shadow:4px 4px 4px 4px rgb(99, 141,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8723, 0.2646, 0.3143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 141, 149) }
```

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

```
.background{ background-color: rgb(99, 141,  
149) }
```

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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