

Converting Colors

$Y_{xy}(23.5662, 0.2612, 0.3061)$

Have a look what the booklet for
Yxy(23.5662, 0.2612, 0.3061)
contains.

Yxy(23.6198, 0.2611, 0.3071)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.6198, 0.2611, 0.3071)

Conversions

Conversions Part 1

Format	Color
Hex	628C98
RGB	98, 140, 152
RGB Percent	38%, 55%, 60%
CMY	0.6157, 0.4510, 0.4039
CMYK	0.36, 0.08, 0.00, 0.40
HSL	193°, 22%, 49%
HSV	193°, 36%, 60%
XYZ	20.0818, 23.6198, 33.2108
YIQ	128.8100, -28.8840, -5.1720

Conversions

Conversions Part 2

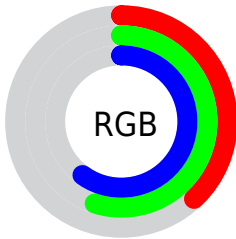
Format	Color
R_{YB}	98, 122, 152
Decimal	6458520
CIE _{Lab}	55.71, -11.27, -11.00
CIE _{LCh}	56, 15.750, 224.293
Yxy	23.6198, 0.2611, 0.3071
Android (android.graphics.Color)	4284648600 (0xFF628C98)
YUV	128.8100, 11.4327, -27.0204
Hunter-Lab	48.6002, -11.2933, -6.4955

Details

The Yxy color **23.6198, 0.2611, 0.3071** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.7080, 0.3874, 0.3496**, and the grayscale version is **21.8494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6191, 0.2725, 0.3130**, and **8.8803, 0.2428, 0.2985** is the 20% darker color. If you saturate the color by 10%, you get **21.8819, 0.2482, 0.2999**, and if you desaturate by 10%, it is **25.5505, 0.2750, 0.3139**.

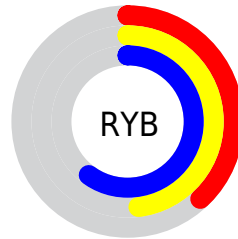
Distribution



Red (38%)

Green (55%)

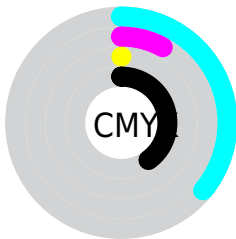
Blue (60%)



Red (38%)

Yellow (48%)

Blue (60%)

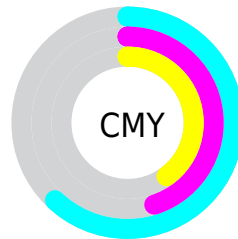


Cyan (36%)

Magenta (8%)

Yellow (0%)

Black (40%)



Cyan (62%)

Magenta (45%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.6198, 0.2611, 0.3071 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 23.6198, 0.2611, 0.3071 by changing the saturation by 10% instead.

■ 23.6198, 0.2611,
0.3071

■ 23.6198, 0.2611,
0.3071

270.8926, 0.2894,
0.3197

■ 15.0518, 0.2531,
0.3033

■ 49.4091, 0.2720,
0.3121

■ 8.8558, 0.2423,
0.2979

■ 67.3991, 0.2759,
0.3139

■ 4.6472, 0.2268,
0.2897

■ 89.2987, 0.2791,
0.3153

■ 2.0418, 0.2027,
0.2761

■ 115.4921, 0.2818,
0.3165

■ 0.6316, 0.1299,
0.2524

146.3639, 0.2841,
0.3175

■ 0.0000, 0.0000,
0.0000

182.2982, 0.2861,

0.3183

223.6797, 0.2878,
0.3191

■ 23.6198, 0.2611,
0.3071

■ 23.6198, 0.2611,
0.3071

■ 21.8819, 0.2482,
0.2999

■ 25.5505, 0.2750,
0.3139

■ 20.3245, 0.2365,
0.2923

■ 27.6798, 0.2895,
0.3202

■ 18.9383, 0.2263,
0.2844

■ 30.0168, 0.3044,
0.3260

■ 17.7119, 0.2179,
0.2765

■ 32.5690, 0.3194,
0.3313

■ 16.6319, 0.2114,
0.2684

■ 35.3436, 0.3343,
0.3360

■ 15.6805, 0.2066,
0.2605

■ 38.3474, 0.3489,
0.3402

■ 15.2783, 0.2047,
0.2569

■ 41.5868, 0.3630,
0.3440

■ 45.0682, 0.3767,
0.3472

■ 48.7974, 0.3897,
0.3501

Harmonies

Analogous

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



23.6198, 0.2711, 0.3321



23.6198, 0.2611, 0.3071



23.6198, 0.2641, 0.2897

Triad

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



23.6198, 0.2611, 0.3071



23.6198, 0.3322, 0.3028



23.6198, 0.3455, 0.3776

Complementary

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



23.6198, 0.2611, 0.3071



18.7080, 0.3874, 0.3496

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.



23.6198, 0.3633, 0.3669



23.6198, 0.2611, 0.3071



23.6198, 0.3557, 0.3239

Square

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



23.6198, 0.2611, 0.3071



23.6198, 0.3042, 0.2882



23.6198, 0.3673, 0.3470



23.6198, 0.3193, 0.3746

Rectangle

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



23.6198, 0.2611, 0.3071



23.6198, 0.2731, 0.2841



23.6198, 0.3673, 0.3470



23.6198, 0.3527, 0.3754

Sweetspot

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



23.6207, 0.2611, 0.3071



50.5887, 0.2959, 0.3228



26.1750, 0.2981, 0.4093



11.3842, 0.2941, 0.3221



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



23.6207, 0.2611, 0.3071



39.1175, 0.2503, 0.3011



16.7388, 0.2543, 0.2558



6.7936, 0.2989, 0.3239



12.8556, 0.2049, 0.2574



0.2437, 0.2147, 0.2928

Inverse Universe

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



17.3026, 0.3324, 0.2608



26.5511, 0.3383, 0.2452



25.3652, 0.3724, 0.3926



6.3001, 0.3169, 0.3119



6.7031, 0.3849, 0.1894



0.1054, 0.3518, 0.1712

Previews

White Background



This preview shows how the Yxy color 23.6198, 0.2611, 0.3071 looks on a white background.

Color Contrast Check

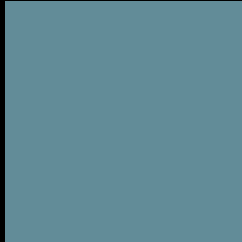
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6198, 0.2611, 0.3071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

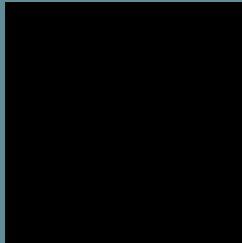
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.6198, 0.2611, 0.3071

Background



This preview shows how black text looks on a background with the Yxy color 23.6198, 0.2611, 0.3071.



This preview shows how white text looks on a background with the Yxy color 23.6198, 0.2611, 0.3071.

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

23.6198, 0.2611, 0.3071

Protanopia

23.4344, 0.2962, 0.3034

Deuteranopia

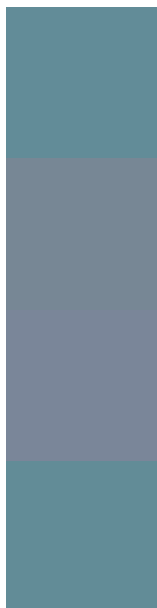
23.5326, 0.2946, 0.2893



Tritanopia

23.5872, 0.2619, 0.3089

Trichromacy



Original Color

23.6198, 0.2611, 0.3071

Protanomaly

23.4198, 0.2820, 0.3044

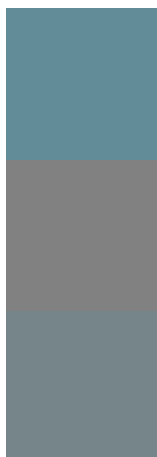
Deuteranomaly

23.4877, 0.2813, 0.2962

Tritanomaly

23.5872, 0.2619, 0.3089

Monochromacy



Original Color

23.6198, 0.2611, 0.3071

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4328, 0.2922, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6198, 0.2611, 0.3071 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(98, 140, 152) looks like.

```
.text, #text, p{  
    color:rgb(98, 140, 152)  
}
```

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(98, 140, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 140, 152) }
```

Border

The CSS property to change the border of an element to Yxy 23.6198, 0.2611, 0.3071 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(98, 140, 152) }
```

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

```
.border{ border-color:rgb(98, 140, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 140, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 140, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 140, 152);  
box-shadow:4px 4px 4px 4px rgb(98, 140,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6198, 0.2611, 0.3071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 140, 152) }
```

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

```
.background{ background-color: rgb(98, 140,  
152) }
```

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