

Converting Colors

$Y_{xy}(23.6252, 0.2825, 0.3081)$

Have a look what the booklet for
Yxy(23.6252, 0.2825, 0.3081)
contains.

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Color

Yxy(23.5980, 0.2821, 0.3079)

Conversions

Conversions Part 1

Format	Color
Hex	768894
RGB	118, 136, 148
RGB Percent	46%, 53%, 58%
CMY	0.5372, 0.4667, 0.4197
CMYK	0.20, 0.08, 0.00, 0.42
HSL	204°, 12%, 52%
HSV	204°, 20%, 58%
XYZ	21.6206, 23.5980, 31.4231
YIQ	131.9860, -14.5800, -0.0840

Conversions

Conversions Part 2

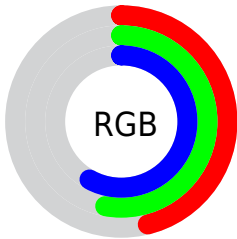
Format	Color
R_{YB}	118, 129, 148
Decimal	7768212
CIE _{Lab}	55.68, -3.76, -8.58
CIE _{LCh}	56, 9.364, 246.337
Yxy	23.5980, 0.2821, 0.3079
Android (android.graphics.Color)	4285958292 (0xFF768894)
YUV	131.9860, 7.8949, -12.2657
Hunter-Lab	48.5778, -5.5656, -4.3480

Details

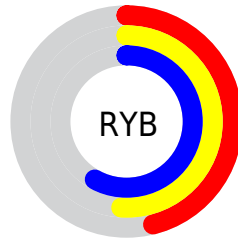
The Yxy color **23.5980, 0.2821, 0.3079** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **23.5654, 0.3477, 0.3492**, and the grayscale version is **23.0450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3174, 0.2890, 0.3122**, and **8.7839, 0.2709, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **21.0224, 0.2668, 0.2959**, and if you desaturate by 10%, it is **26.4301, 0.2974, 0.3189**.

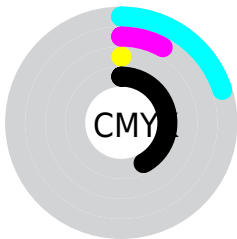
Distribution



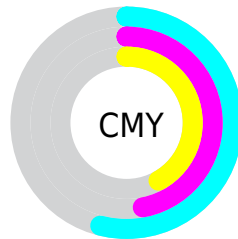
- Red (46%)
- Green (53%)
- Blue (58%)



- Red (46%)
- Yellow (51%)
- Blue (58%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (42%)



- Cyan (54%)
- Magenta (47%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.5980, 0.2821, 0.3079 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 23.5980, 0.2821, 0.3079 by changing the saturation by 10% instead.

■ 23.5980, 0.2821,
0.3079

■ 23.5980, 0.2821,
0.3079

270.7818, 0.2990,
0.3197

■ 15.0357, 0.2773,
0.3044

■ 49.3734, 0.2887,
0.3126

■ 8.8444, 0.2706,
0.2996

■ 67.3553, 0.2910,
0.3142

■ 4.6399, 0.2609,
0.2925

■ 89.2458, 0.2929,
0.3155

■ 2.0375, 0.2455,
0.2809

115.4293, 0.2945,
0.3166

■ 0.6291, 0.2061,
0.2561

146.2903, 0.2959,
0.3176

■ 0.0000, 0.0000,
0.0000

182.2131, 0.2971,

0.3184

223.5821, 0.2981,
0.3191

■ 23.5980, 0.2821,
0.3079

■ 23.5980, 0.2821,
0.3079

■ 21.0224, 0.2668,
0.2959

■ 26.4301, 0.2974,
0.3189

■ 18.6912, 0.2518,
0.2829

■ 29.5242, 0.3123,
0.3288

■ 16.5959, 0.2375,
0.2691

■ 32.8894, 0.3269,
0.3376

■ 14.7260, 0.2241,
0.2545

■ 36.5332, 0.3408,
0.3455

■ 13.0700, 0.2122,
0.2395

■ 40.4632, 0.3541,
0.3525

■ 11.6151, 0.2021,
0.2243

■ 44.6861, 0.3666,
0.3587

■ 10.3465, 0.1939,
0.2093

■ 49.2089, 0.3784,
0.3641

■ 9.2540, 0.1875,
0.1949

■ 54.0381, 0.3894,
0.3688

■ 59.1798, 0.3998,
0.3729

Harmonies

Analogous

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



23.5980, 0.2824, 0.3200



23.5980, 0.2821, 0.3079



23.5980, 0.2897, 0.3018

Triad

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



23.5980, 0.2821, 0.3079



23.5980, 0.3351, 0.3225



23.5980, 0.3213, 0.3569

Complementary

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



23.5980, 0.2821, 0.3079



23.5654, 0.3477, 0.3492

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.



23.5980, 0.3358, 0.3569



23.5980, 0.2821, 0.3079



23.5980, 0.3440, 0.3366

Square

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



23.5980, 0.2821, 0.3079



23.5980, 0.3201, 0.3103



23.5980, 0.3442, 0.3493



23.5980, 0.3048, 0.3489

Rectangle

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



23.5980, 0.2821, 0.3079



23.5980, 0.2984, 0.3016



23.5980, 0.3442, 0.3493



23.5980, 0.3266, 0.3579

Sweetspot

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



23.5990, 0.2821, 0.3079



48.8469, 0.3036, 0.3231



26.6241, 0.2997, 0.3617



11.0798, 0.3027, 0.3225



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.



23.5990, 0.2821, 0.3079



39.6743, 0.2756, 0.3030



19.7893, 0.2805, 0.2815



6.1771, 0.2989, 0.3199



7.9609, 0.1877, 0.1958



0.1553, 0.2059, 0.2614

Inverse Universe

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



21.0320, 0.3291, 0.2992



34.4801, 0.3332, 0.2927



27.6954, 0.3433, 0.3724



5.8703, 0.3194, 0.3158



5.9970, 0.4501, 0.2253



0.0792, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 23.5980, 0.2821, 0.3079 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 23.5980, 0.2821, 0.3079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

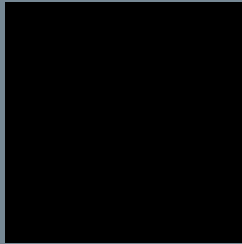
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

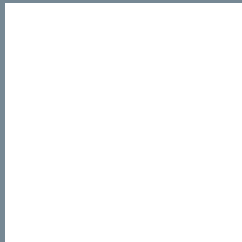
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5980, 0.2821, 0.3079

Background



This preview shows how black text looks on a background with the Yxy color 23.5980, 0.2821, 0.3079.



This preview shows how white text looks on a background with the Yxy color 23.5980, 0.2821, 0.3079.

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

23.5980, 0.2821, 0.3079

Protanopia

23.4834, 0.2983, 0.3052

Deuteranopia

23.6242, 0.3029, 0.2975



Tritanopia

23.5665, 0.2830, 0.3096

Trichromacy



Original Color

23.5980, 0.2821, 0.3079

Protanomaly

23.3937, 0.2920, 0.3048

Deuteranomaly

23.4977, 0.2942, 0.3001

Tritanomaly

23.5665, 0.2830, 0.3096

Monochromacy



Original Color

23.5980, 0.2821, 0.3079

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1221, 0.3009, 0.3202

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5980, 0.2821, 0.3079 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(118, 136, 148)` looks like.

```
.text, #text, p{  
    color:rgb(118, 136, 148)  
}
```

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(118, 136, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 136, 148) }
```

Border

The CSS property to change the border of an element to Yxy 23.5980, 0.2821, 0.3079 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(118, 136, 148) }
```

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

```
.border{ border-color:rgb(118, 136, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 136, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 136, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 136, 148);  
box-shadow:4px 4px 4px 4px rgb(118, 136,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 23.5980, 0.2821, 0.3079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 136, 148) }
```

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

```
.background{ background-color: rgb(118,  
136, 148) }
```

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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