

Converting Colors

$Y_{xy}(23.9186, 0.2960, 0.3491)$

Have a look what the booklet for
Yxy(23.9186, 0.2960, 0.3491)
contains.

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Color

Yxy(23.9186, 0.2960, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	728C81
RGB	114, 140, 129
RGB Percent	45%, 55%, 51%
CMY	0.5529, 0.4510, 0.4941
CMYK	0.19, 0.00, 0.08, 0.45
HSL	155°, 10%, 50%
HSV	155°, 19%, 55%
XYZ	20.2805, 23.9186, 24.3160
YIQ	130.9720, -11.9650, -8.9330

Conversions

Conversions Part 2

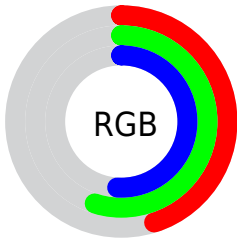
Format	Color
RYB	114, 130, 140
Decimal	7507073
CIELab	56.01, -11.59, 2.81
CIElCh	56, 11.928, 166.385
Yxy	23.9186, 0.2960, 0.3491
Android (android.graphics.Color)	4285697153 (0xFF728C81)
YUV	130.9720, -0.9722, -14.8844
Hunter-Lab	48.9066, -11.5668, 4.7561

Details

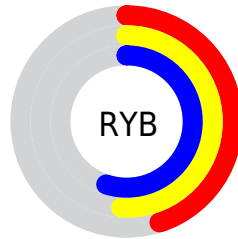
The Yxy color **23.9186, 0.2960, 0.3491** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.0928, 0.3332, 0.3098**, and the grayscale version is **22.6940, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0680, 0.2994, 0.3449**, and **9.0498, 0.2900, 0.3570** is the 20% darker color. If you saturate the color by 10%, you get **22.8984, 0.2876, 0.3615**, and if you desaturate by 10%, it is **25.0937, 0.3049, 0.3378**.

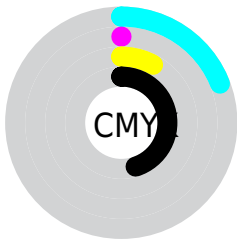
Distribution



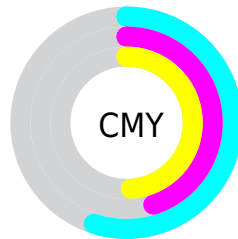
- Red (45%)
- Green (55%)
- Blue (51%)



- Red (45%)
- Yellow (51%)
- Blue (55%)



- Cyan (19%)
- Magenta (0%)
- Yellow (8%)
- Black (45%)





- Cyan (55%)
- Magenta (45%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9186, 0.2960, 0.3491 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 23.9186, 0.2960, 0.3491 by changing the saturation by 10% instead.


 23.9186, 0.2960,
0.3491


 23.9186, 0.2960,
0.3491


272.4087, 0.3054,
0.3378


 15.2732, 0.2933,
0.3524


 49.8973, 0.2997,
0.3446


 9.0114, 0.2894,
0.3571


 67.9995, 0.3010,
0.3431

 4.7486, 0.2838,
0.3641

 90.0227, 0.3020,
0.3418

 2.1005, 0.2745,
0.3757

 116.3514, 0.3029,
0.3407

 0.6649, 0.2264,
0.4313

147.3700, 0.3037,
0.3398

 0.0000, 0.0000,
0.0000

183.4628, 0.3043,

0.3391

225.0142, 0.3049,
0.3384

■ 23.9186, 0.2960,
0.3491

■ 23.9186, 0.2960,
0.3491

■ 22.8984, 0.2876,
0.3615

■ 25.0937, 0.3049,
0.3378

■ 22.0233, 0.2799,
0.3751

■ 26.4269, 0.3140,
0.3276

■ 21.2873, 0.2733,
0.3896

■ 27.9250, 0.3232,
0.3185

■ 20.6825, 0.2680,
0.4049

■ 29.5938, 0.3324,
0.3104

■ 20.2003, 0.2642,
0.4207

■ 31.4385, 0.3413,
0.3033

■ 19.8311, 0.2623,
0.4368

■ 33.4641, 0.3499,
0.2971

■ 19.5636, 0.2623,
0.4528

■ 35.6756, 0.3583,
0.2916

■ 19.3727, 0.2639,
0.4685

■ 38.0777, 0.3662,
0.2868

■ 19.3470, 0.2641,
0.4708

■ 40.6748, 0.3738,
0.2826

Harmonies

Analogous

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



23.9186, 0.3165, 0.3624



23.9186, 0.2960, 0.3491



23.9186, 0.2803, 0.3301

Triad

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



23.9186, 0.2960, 0.3491



23.9186, 0.2887, 0.2941



23.9186, 0.3539, 0.3442

Complementary

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



23.9186, 0.2960, 0.3491



19.0928, 0.3332, 0.3098

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.



23.9186, 0.3460, 0.3266



23.9186, 0.2960, 0.3491



23.9186, 0.3079, 0.2983

Square

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



23.9186, 0.2960, 0.3491



23.9186, 0.2762, 0.2987



23.9186, 0.3290, 0.3100



23.9186, 0.3503, 0.3587

Rectangle

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



23.9186, 0.2960, 0.3491



23.9186, 0.2745, 0.3174



23.9186, 0.3290, 0.3100



23.9186, 0.3525, 0.3385

Sweetspot

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



23.9196, 0.2960, 0.3491



44.7875, 0.3071, 0.3352



24.3523, 0.3228, 0.3759



10.2911, 0.3066, 0.3358



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.9196, 0.2960, 0.3491



41.4372, 0.2927, 0.3538



23.7257, 0.2856, 0.3258



5.6534, 0.3044, 0.3384



17.1941, 0.2639, 0.4700



0.1172, 0.2448, 0.4013

Inverse Universe

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



19.0928, 0.3332, 0.3098



31.4155, 0.3384, 0.3055



19.2217, 0.3468, 0.3322



5.0814, 0.3219, 0.3198



5.2408, 0.5217, 0.2648



0.0376, 0.4237, 0.2108

Previews

White Background



This preview shows how the Yxy color 23.9186, 0.2960, 0.3491 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 23.9186, 0.2960, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

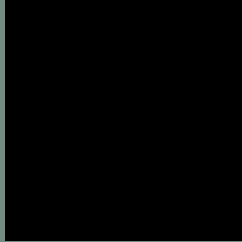
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

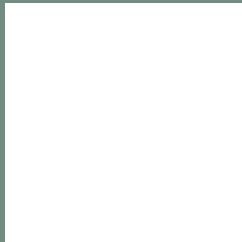
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.9186, 0.2960, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 23.9186, 0.2960, 0.3491.



This preview shows how white text looks on a background with the Yxy color 23.9186, 0.2960, 0.3491.

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

23.9186, 0.2960, 0.3491

Protanopia

23.6590, 0.3271, 0.3428

Deuteranopia

23.8999, 0.3328, 0.3274



Tritanopia

23.8810, 0.2822, 0.3096

Trichromacy



Original Color

23.9186, 0.2960, 0.3491

Protanomaly

23.7818, 0.3152, 0.3467

Deuteranomaly

23.8961, 0.3192, 0.3359

Tritanomaly

23.8820, 0.2877, 0.3236

Monochromacy



Original Color

23.9186, 0.2960, 0.3491

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.0219, 0.3068, 0.3361

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9186, 0.2960, 0.3491 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(114, 140, 129)` looks like.

```
.text, #text, p{  
    color:rgb(114, 140, 129)  
}
```

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(114, 140, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 140, 129) }
```

Border

The CSS property to change the border of an element to Yxy 23.9186, 0.2960, 0.3491 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(114, 140, 129) }
```

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

```
.border{ border-color:rgb(114, 140, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 140, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 140, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 140, 129);  
box-shadow:4px 4px 4px 4px rgb(114, 140,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9186, 0.2960, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 140, 129) }
```

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

```
.background{ background-color: rgb(114,  
140, 129) }
```

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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