

Converting Colors

$Y_{xy}(23.9865, 0.3044, 0.3676)$

Have a look what the booklet for
Yxy(23.9865, 0.3044, 0.3676)
contains.

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Color

Yxy(23.9832, 0.3046, 0.3679)

Conversions

Conversions Part 1

Format	Color
Hex	728D78
RGB	114, 141, 120
RGB Percent	45%, 55%, 47%
CMY	0.5528, 0.4471, 0.5294
CMYK	0.19, 0.00, 0.15, 0.45
HSL	133°, 11%, 50%
HSV	133°, 19%, 55%
XYZ	19.8567, 23.9832, 21.3495
YIQ	130.5330, -9.3510, -12.2550

Conversions

Conversions Part 2

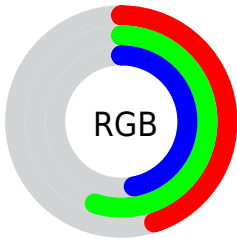
Format	Color
RYB	114, 136, 141
Decimal	7507320
CIELab	56.07, -13.97, 8.07
CIELCh	56, 16.131, 149.985
Yxy	23.9832, 0.3046, 0.3679
Android (android.graphics.Color)	4285697400 (0xFF728D78)
YUV	130.5330, -5.1928, -14.4994
Hunter-Lab	48.9726, -13.3266, 8.4335

Details

The Yxy color **23.9832, 0.3046, 0.3679** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4536, 0.3220, 0.2930**, and the grayscale version is **22.5452, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1158, 0.3065, 0.3599**, and **9.0739, 0.2995, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **22.8587, 0.3005, 0.3917**, and if you desaturate by 10%, it is **25.2861, 0.3088, 0.3465**.

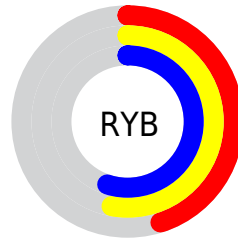
Distribution



Red (45%)

Green (55%)

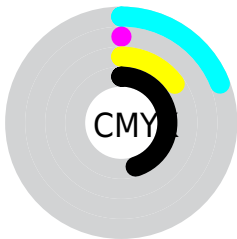
Blue (47%)



Red (45%)

Yellow (53%)

Blue (55%)

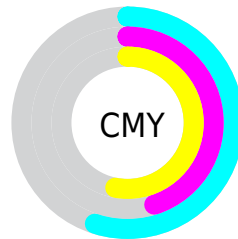


Cyan (19%)

Magenta (0%)

Yellow (15%)

Black (45%)



Cyan (55%)


Magenta (45%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9832, 0.3046, 0.3679 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 23.9832, 0.3046, 0.3679 by changing the saturation by 10% instead.


 23.9832, 0.3046,
0.3679


 23.9832, 0.3046,
0.3679


272.7355, 0.3094,
0.3458


 15.3212, 0.3031,
0.3745


 50.0028, 0.3065,
0.3591


 9.0451, 0.3009,
0.3839


 68.1291, 0.3072,
0.3560

 4.7706, 0.2975,
0.3981


 90.1790, 0.3077,
0.3536

 2.1133, 0.2915,
0.4222

 116.5368, 0.3082,
0.3515

 0.6721, 0.2618,
0.5908

147.5870, 0.3085,
0.3497

 0.0000, 0.0000,
0.0000

183.7139, 0.3089,

0.3482

225.3020, 0.3091,
0.3469

■ 23.9832, 0.3046,
0.3679

■ 23.9832, 0.3046,
0.3679

■ 22.8587, 0.3005,
0.3917

■ 25.2861, 0.3088,
0.3465

■ 21.9018, 0.2967,
0.4178

■ 26.7716, 0.3131,
0.3274

■ 21.1053, 0.2934,
0.4455

■ 28.4474, 0.3172,
0.3107

■ 20.4603, 0.2909,
0.4741

■ 30.3201, 0.3211,
0.2961

■ 19.9568, 0.2895,
0.5025

■ 32.3957, 0.3249,
0.2833

■ 19.5839, 0.2894,
0.5291

■ 34.6801, 0.3284,
0.2722

■ 19.3287, 0.2905,
0.5525

■ 37.1791, 0.3316,
0.2626

■ 19.1620, 0.2924,
0.5716

■ 39.8979, 0.3347,
0.2543

■ 19.1489, 0.2925,
0.5731

■ 42.8418, 0.3375,
0.2470

Harmonies

Analogous

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



23.9832, 0.3328, 0.3788



23.9832, 0.3046, 0.3679



23.9832, 0.2794, 0.3450

Triad

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



23.9832, 0.3046, 0.3679



23.9832, 0.2700, 0.2840



23.9832, 0.3646, 0.3361

Complementary

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



23.9832, 0.3046, 0.3679



19.4536, 0.3220, 0.2930

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.



23.9832, 0.3462, 0.3130



23.9832, 0.3046, 0.3679



23.9832, 0.2911, 0.2837

Square

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



23.9832, 0.3046, 0.3679



23.9832, 0.2601, 0.2961



23.9832, 0.3190, 0.2942



23.9832, 0.3682, 0.3587

Rectangle

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



23.9832, 0.3046, 0.3679



23.9832, 0.2675, 0.3270



23.9832, 0.3190, 0.2942



23.9832, 0.3599, 0.3282

Sweetspot

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



23.9842, 0.3046, 0.3679



46.0479, 0.3101, 0.3405



25.4282, 0.3338, 0.3759



10.2533, 0.3099, 0.3416



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.



23.9842, 0.3046, 0.3679



42.0355, 0.3028, 0.3780



24.3316, 0.2920, 0.3428



6.0477, 0.3088, 0.3466



17.4630, 0.2924, 0.5725



0.1698, 0.2726, 0.5014

Inverse Universe

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



19.4536, 0.3220, 0.2930



32.3668, 0.3245, 0.2845



19.1004, 0.3387, 0.3157



5.4909, 0.3169, 0.3120



6.1885, 0.3843, 0.1891



0.0624, 0.3497, 0.1700

Previews

White Background



This preview shows how the Yxy color 23.9832, 0.3046, 0.3679 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 23.9832, 0.3046, 0.3679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

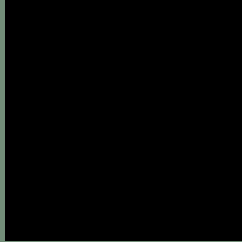
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.9832, 0.3046, 0.3679

Background



This preview shows how black text looks on a background with the Yxy color 23.9832, 0.3046, 0.3679.



This preview shows how white text looks on a background with the Yxy color 23.9832, 0.3046, 0.3679.

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

23.9832, 0.3046, 0.3679

Protanopia

23.9739, 0.3403, 0.3600

Deuteranopia

23.6850, 0.3470, 0.3407



Tritanopia

23.9514, 0.2832, 0.3097

Trichromacy



Original Color

23.9832, 0.3046, 0.3679

Protanomaly

24.0010, 0.3268, 0.3645

Deuteranomaly

23.5588, 0.3315, 0.3499

Tritanomaly

23.7938, 0.2905, 0.3289

Monochromacy



Original Color

23.9832, 0.3046, 0.3679

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.2202, 0.3098, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9832, 0.3046, 0.3679 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, 141, 120)` looks like.

```
.text, #text, p{  
    color:rgb(114, 141, 120)  
}
```

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, 141, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 141, 120) }
```

Border

The CSS property to change the border of an element to Yxy 23.9832, 0.3046, 0.3679 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, 141, 120) }
```

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

```
.border{ border-color:rgb(114, 141, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 141, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 141, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 141, 120);  
box-shadow:4px 4px 4px 4px rgb(114, 141,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9832, 0.3046, 0.3679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 141, 120) }
```

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

```
.background{ background-color: rgb(114,  
141, 120) }
```

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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