

# Converting Colors

$Y_{xy}(24.0100, 0.2867, 0.3508)$

Have a look what the booklet for  
Yxy(24.0100, 0.2867, 0.3508)  
contains.

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# Color

**$\text{Yxy}(24.0219, 0.2873, 0.3513)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	6A8E82
RGB	106, 142, 130
RGB Percent	42%, 56%, 51%
CMY	0.5843, 0.4431, 0.4903
CMYK	0.25, 0.00, 0.08, 0.44
HSL	160°, 15%, 49%
HSV	160°, 25%, 56%
XYZ	19.6456, 24.0219, 24.7125
YIQ	129.8680, -17.6040, -11.3640

# Conversions

## Conversions Part 2

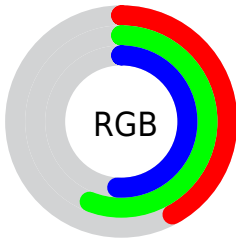
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	106, 128, 142
Decimal	6983298
CIE <sub>Lab</sub>	56.11, -15.19, 2.33
CIE <sub>LCh</sub>	56, 15.367, 171.279
Yxy	24.0219, 0.2873, 0.3513
Android (android.graphics.Color)	4285173378 (0xFF6A8E82)
YUV	129.8680, 0.0651, -20.9322
Hunter-Lab	49.0121, -14.2229, 4.4137

# Details

The Yxy color  $24.0219, 0.2873, 0.3513$  is a dark color, and the websafe version is hex  $669999$ . A complement of this color would be  $17.3697, 0.3471, 0.3078$ , and the grayscale version is  $22.2791, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $50.1679, 0.2927, 0.3465$ , and  $9.1182, 0.2767, 0.3605$  is the 20% darker color. If you saturate the color by 10%, you get  $23.0992, 0.2784, 0.3616$ , and if you desaturate by 10%, it is  $25.0965, 0.2970, 0.3419$ .

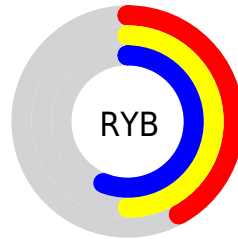
# Distribution



Red (42%)

Green (56%)

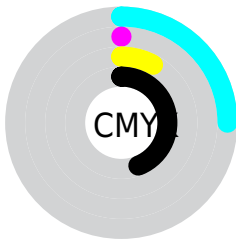
Blue (51%)



Red (42%)

Yellow (50%)

Blue (56%)

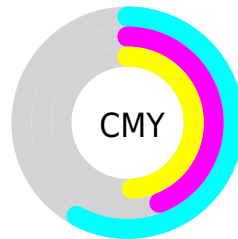


Cyan (25%)

Magenta (0%)

Yellow (8%)

Black (44%)



Cyan (58%)

Magenta (44%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0219, 0.2873, 0.3513 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 24.0219, 0.2873, 0.3513 by changing the saturation by 10% instead.





 24.0219, 0.2873,  
0.3513

 24.0219, 0.2873,  
0.3513


272.9312, 0.3015,  
0.3388


 15.3499, 0.2832,  
0.3550


 50.0659, 0.2929,  
0.3464

 9.0653, 0.2774,  
0.3601


 68.2067, 0.2948,  
0.3446

 4.7838, 0.2690,  
0.3678

 90.2726, 0.2964,  
0.3432

 2.1210, 0.2552,  
0.3806

 116.6478, 0.2978,  
0.3420

 0.6764, 0.1788,  
0.4444

147.7169, 0.2989,  
0.3410

 0.0000, 0.0000,  
0.0000

183.8643, 0.2999,

0.3402

225.4742, 0.3007,  
0.3394

■ 24.0219, 0.2873,  
0.3513

■ 24.0219, 0.2873,  
0.3513

■ 23.0992, 0.2784,  
0.3616

■ 25.0965, 0.2970,  
0.3419

■ 22.3183, 0.2705,  
0.3726

■ 26.3268, 0.3072,  
0.3333

■ 21.6724, 0.2639,  
0.3842

■ 27.7200, 0.3176,  
0.3255

■ 21.1530, 0.2590,  
0.3964

■ 29.2820, 0.3281,  
0.3186

■ 20.7505, 0.2558,  
0.4088

■ 31.0184, 0.3386,  
0.3124

■ 20.4541, 0.2544,  
0.4213

■ 32.9346, 0.3488,  
0.3070

■ 20.2485, 0.2550,  
0.4337

■ 35.0357, 0.3587,  
0.3022

■ 20.1654, 0.2554,  
0.4395

■ 37.3267, 0.3683,  
0.2980

■ 39.8121, 0.3775,  
0.2944

# Harmonies

## Analogous

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



24.0219, 0.3128, 0.3704



24.0219, 0.2873, 0.3513



24.0219, 0.2690, 0.3260

# Triad

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



24.0219, 0.2873, 0.3513



24.0219, 0.2854, 0.2847



24.0219, 0.3661, 0.3515

# Complementary

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



24.0219, 0.2873, 0.3513



17.3697, 0.3471, 0.3078

# 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.



24.0219, 0.3583, 0.3293



24.0219, 0.2873, 0.3513



24.0219, 0.3108, 0.2919

# Square

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



24.0219, 0.2873, 0.3513



24.0219, 0.2680, 0.2884



24.0219, 0.3377, 0.3079



24.0219, 0.3589, 0.3692



# Rectangle

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



24.0219, 0.2873, 0.3513



24.0219, 0.2630, 0.3100



24.0219, 0.3377, 0.3079



24.0219, 0.3652, 0.3444

# Sweetspot

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



24.0229, 0.2873, 0.3513



45.7826, 0.3042, 0.3356



24.2820, 0.3230, 0.3955



10.1582, 0.3028, 0.3367



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.



24.0229, 0.2873, 0.3513



41.4685, 0.2825, 0.3566



22.7968, 0.2759, 0.3190



6.0861, 0.3032, 0.3365



18.1080, 0.2553, 0.4390



0.1772, 0.2397, 0.3829



# Inverse Universe

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



17.3697, 0.3471, 0.3078



27.8194, 0.3566, 0.3032



18.2500, 0.3617, 0.3388



5.4520, 0.3232, 0.3217



5.3540, 0.5574, 0.2844



0.0550, 0.4518, 0.2263



# Previews

## White Background



This preview shows how the Yxy color 24.0219, 0.2873, 0.3513 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 24.0219, 0.2873, 0.3513 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

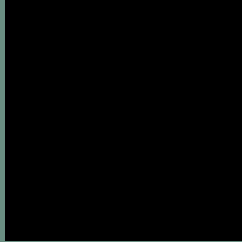
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.0219, 0.2873, 0.3513**

## Background



This preview shows how black text looks on a background with the Yxy color 24.0219, 0.2873, 0.3513.



This preview shows how white text looks on a background with the Yxy color 24.0219, 0.2873, 0.3513.

# 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

24.0219, 0.2873, 0.3513

### Protanopia

24.0198, 0.3281, 0.3445

### Deuteranopia

23.9546, 0.3305, 0.3241



## Tritanopia

23.9822, 0.2731, 0.3094

# Trichromacy



## Original Color

24.0219, 0.2873, 0.3513

## Protanomaly

23.9357, 0.3119, 0.3468

## Deuteranomaly

23.7027, 0.3137, 0.3325

## Tritanomaly

23.9905, 0.2783, 0.3235

# Monochromacy



## Original Color

24.0219, 0.2873, 0.3513

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

22.7268, 0.3024, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.0219, 0.2873, 0.3513 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(106, 142, 130)` looks like.

```
.text, #text, p{  
    color:rgb(106, 142, 130)  
}
```

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(106, 142, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 142, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 24.0219, 0.2873, 0.3513 is called "border". The border property can be set on classes, ids or directly on the HTML element.

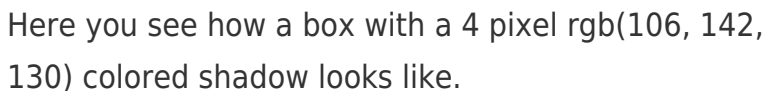
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 142, 130) }
```

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

```
.border{ border-color:rgb(106, 142, 130) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 142, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 142, 130); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 142, 130); box-shadow:4px 4px 4px 4px rgb(106, 142, 130) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.0219, 0.2873, 0.3513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 142, 130) }
```

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

```
.background{ background-color: rgb(106,  
142, 130) }
```

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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