

Converting Colors

$Y_{xy}(24.2322, 0.2849, 0.3436)$

Have a look what the booklet for
Yxy(24.2322, 0.2849, 0.3436)
contains.

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Color

Yxy(24.1930, 0.2847, 0.3436)

Conversions

Conversions Part 1

Format	Color
Hex	6B8E86
RGB	107, 142, 134
RGB Percent	42%, 56%, 53%
CMY	0.5801, 0.4432, 0.4745
CMYK	0.25, 0.00, 0.06, 0.44
HSL	166°, 14%, 49%
HSV	166°, 25%, 56%
XYZ	20.0458, 24.1930, 26.1715
YIQ	130.6230, -18.2920, -9.9080

Conversions

Conversions Part 2

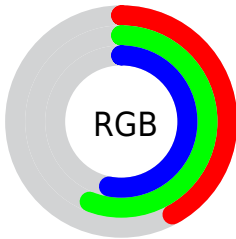
Format	Color
R_{YB}	107, 127, 142
Decimal	7048838
CIE _{Lab}	56.28, -13.93, 0.27
CIE _{LCh}	56, 13.934, 178.892
Yxy	24.1930, 0.2847, 0.3436
Android (android.graphics.Color)	4285238918 (0xFF6B8E86)
YUV	130.6230, 1.6649, -20.7174
Hunter-Lab	49.1864, -13.3288, 2.8829

Details

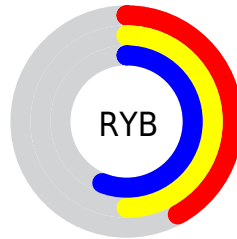
The Yxy color $24.1930, 0.2847, 0.3436$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.5176, 0.3509, 0.3150$, and the grayscale version is $22.5594, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.4386, 0.2907, 0.3410$, and $9.1939, 0.2743, 0.3516$ is the 20% darker color. If you saturate the color by 10%, you get $23.2952, 0.2746, 0.3504$, and if you desaturate by 10%, it is $25.2401, 0.2957, 0.3373$.

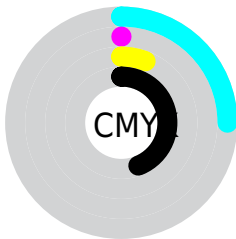
Distribution



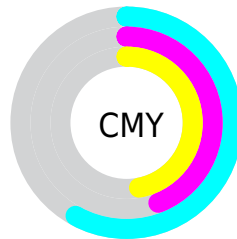
- Red (42%)
- Green (56%)
- Blue (53%)



- Red (42%)
- Yellow (50%)
- Blue (56%)



- Cyan (25%)
- Magenta (0%)
- Yellow (6%)
- Black (44%)





- Cyan (58%)
- Magenta (44%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1930, 0.2847, 0.3436 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 24.1930, 0.2847, 0.3436 by changing the saturation by 10% instead.


 24.1930, 0.2847,
0.3436


 24.1930, 0.2847,
0.3436


273.7948, 0.3002,
0.3355

 15.4769, 0.2802,
0.3459


 50.3450, 0.2908,
0.3404


 9.1547, 0.2740,
0.3492


 68.5496, 0.2929,
0.3393

 4.8422, 0.2650,
0.3539

 90.6858, 0.2947,
0.3384

 2.1550, 0.2504,
0.3616

 117.1380, 0.2961,
0.3376

 0.6953, 0.1828,
0.3963

148.2906, 0.2974,
0.3370

 0.0000, 0.0000,
0.0000

184.5280, 0.2985,

0.3364

226.2346, 0.2994,
0.3359

■ 24.1930, 0.2847,
0.3436

■ 24.1930, 0.2847,
0.3436

■ 23.2952, 0.2746,
0.3504

■ 25.2401, 0.2957,
0.3373

■ 22.5367, 0.2656,
0.3577

■ 26.4401, 0.3073,
0.3315

■ 21.9107, 0.2580,
0.3654

■ 27.8003, 0.3192,
0.3262

■ 21.4090, 0.2521,
0.3734

■ 29.3264, 0.3313,
0.3215

■ 21.0221, 0.2479,
0.3816

■ 31.0239, 0.3434,
0.3173

■ 20.7392, 0.2456,
0.3898

■ 32.8983, 0.3553,
0.3136

■ 20.5466, 0.2451,
0.3980

■ 34.9545, 0.3669,
0.3104

■ 20.4587, 0.2451,
0.4024

■ 37.1973, 0.3781,
0.3076

■ 39.6316, 0.3889,
0.3051

Harmonies

Analogous

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



24.1930, 0.3067, 0.3628



24.1930, 0.2847, 0.3436



24.1930, 0.2704, 0.3207

Triad

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



24.1930, 0.2847, 0.3436



24.1930, 0.2934, 0.2895



24.1930, 0.3606, 0.3542

Complementary

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



24.1930, 0.2847, 0.3436



17.5176, 0.3509, 0.3150

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.



24.1930, 0.3569, 0.3346



24.1930, 0.2847, 0.3436



24.1930, 0.3173, 0.2983

Square

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



24.1930, 0.2847, 0.3436



24.1930, 0.2752, 0.2903



24.1930, 0.3408, 0.3145



24.1930, 0.3509, 0.3682

Rectangle

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



24.1930, 0.2847, 0.3436



24.1930, 0.2668, 0.3070



24.1930, 0.3408, 0.3145



24.1930, 0.3609, 0.3481

Sweetspot

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



24.1940, 0.2847, 0.3436



46.0671, 0.3043, 0.3329



24.0649, 0.3183, 0.3942



10.2659, 0.3037, 0.3332



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.



24.1940, 0.2847, 0.3436



41.6857, 0.2785, 0.3477



21.7689, 0.2763, 0.3117



6.0955, 0.3019, 0.3341



18.3751, 0.2450, 0.4021



0.1790, 0.2343, 0.3636

Inverse Universe

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



17.5176, 0.3509, 0.3150



27.6414, 0.3635, 0.3113



19.3909, 0.3583, 0.3456



5.4430, 0.3248, 0.3240



5.2616, 0.5937, 0.3044



0.0532, 0.4936, 0.2493

Previews

White Background



This preview shows how the Yxy color 24.1930, 0.2847, 0.3436 looks on a white background.

Color Contrast Check

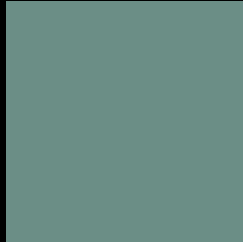
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1930, 0.2847, 0.3436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

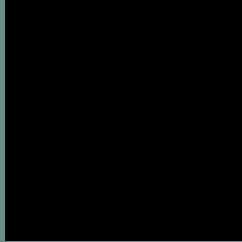
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

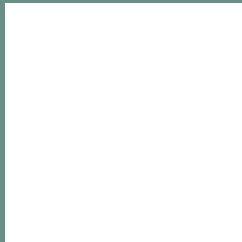
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.1930, 0.2847, 0.3436

Background



This preview shows how black text looks on a background with the Yxy color 24.1930, 0.2847, 0.3436.



This preview shows how white text looks on a background with the Yxy color 24.1930, 0.2847, 0.3436.

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

24.1930, 0.2847, 0.3436

Protanopia

24.0384, 0.3226, 0.3376

Deuteranopia

23.9459, 0.3260, 0.3191



Tritanopia

24.0146, 0.2722, 0.3077

Trichromacy



Original Color

24.1930, 0.2847, 0.3436

Protanomaly

24.0420, 0.3078, 0.3396

Deuteranomaly

23.7050, 0.3094, 0.3273

Tritanomaly

24.0517, 0.2766, 0.3199

Monochromacy



Original Color

24.1930, 0.2847, 0.3436

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.1315, 0.3015, 0.3344

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1930, 0.2847, 0.3436 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(107, 142, 134)` looks like.

```
.text, #text, p{  
    color:rgb(107, 142, 134)  
}
```

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(107, 142, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 142, 134) }
```

Border

The CSS property to change the border of an element to Yxy 24.1930, 0.2847, 0.3436 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(107, 142, 134) }
```

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

```
.border{ border-color:rgb(107, 142, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 142, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 142, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 142, 134);  
box-shadow:4px 4px 4px 4px rgb(107, 142,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1930, 0.2847, 0.3436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 142, 134) }
```

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

```
.background{ background-color: rgb(107,  
142, 134) }
```

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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