

Converting Colors

$Y_{xy}(24.8518, 0.2896, 0.4171)$

Have a look what the booklet for
Yxy(24.8518, 0.2896, 0.4171)
contains.

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Color

Yxy(24.7846, 0.2897, 0.4162)

Conversions

Conversions Part 1

Format	Color
Hex	55966A
RGB	85, 150, 106
RGB Percent	33%, 59%, 42%
CMY	0.6668, 0.4117, 0.5843
CMYK	0.43, 0.00, 0.29, 0.41
HSL	139°, 28%, 46%
HSV	139°, 43%, 59%
XYZ	17.2516, 24.7846, 17.5136
YIQ	125.5490, -24.6160, -27.4640

Conversions

Conversions Part 2

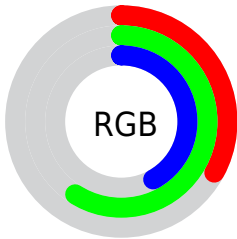
Format	Color
RYB	85, 134, 150
Decimal	5609066
CIELab	56.86, -30.98, 16.86
CIELCh	57, 35.269, 151.440
Yxy	24.7846, 0.2897, 0.4162
Android (android.graphics.Color)	4283799146 (0xFF55966A)
YUV	125.5490, -9.6377, -35.5615
Hunter-Lab	49.7841, -25.2671, 13.9912

Details

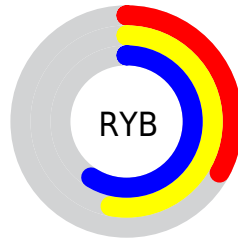
The Yxy color $24.7846, 0.2897, 0.4162$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $14.5584, 0.3479, 0.2560$, and the grayscale version is $20.7399, 0.3127, 0.3290$.

A 20% lighter version of the original color is $51.5002, 0.2960, 0.3970$, and $9.5362, 0.2786, 0.4564$ is the 20% darker color. If you saturate the color by 10%, you get $23.9580, 0.2859, 0.4409$, and if you desaturate by 10%, it is $25.7870, 0.2943, 0.3929$.

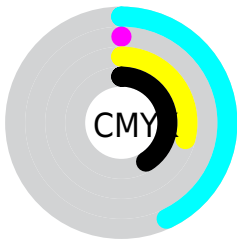
Distribution



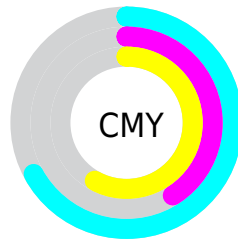
- Red (33%)
- Green (59%)
- Blue (42%)



- Red (33%)
- Yellow (53%)
- Blue (59%)



- Cyan (43%)
- Magenta (0%)
- Yellow (29%)
- Black (41%)



- Cyan (67%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7846, 0.2897, 0.4162 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 24.7846, 0.2897, 0.4162 by changing the saturation by 10% instead.

■ 24.7846, 0.2897,
0.4162

■ 24.7846, 0.2897,
0.4162

■ 276.7635, 0.3036,
0.3657

■ 15.9166, 0.2851,
0.4318

■ 51.3076, 0.2955,
0.3958

■ 9.4652, 0.2784,
0.4540

■ 69.7314, 0.2974,
0.3888

■ 5.0458, 0.2675,
0.4881

■ 92.1092, 0.2990,
0.3832

■ 2.2742, 0.2479,
0.5468

■ 118.8256, 0.3002,
0.3785

■ 0.7600, 0.0000,
1.0000

■ 150.2648, 0.3013,
0.3745

■ 0.0000, 0.0000,
0.0000

186.8113, 0.3022,

0.3712

228.8494, 0.3029,
0.3682

■ 24.7846, 0.2897,
0.4162

■ 24.7846, 0.2897,
0.4162

■ 23.9580, 0.2859,
0.4409

■ 25.7870, 0.2943,
0.3929

■ 23.2939, 0.2833,
0.4664

■ 26.9717, 0.2996,
0.3714

■ 22.7817, 0.2822,
0.4918


■ 28.3484, 0.3051,
0.3519


■ 22.4083, 0.2826,
0.5160

■ 29.9254, 0.3108,
0.3344


■ 22.1584, 0.2847,
0.5379

■ 31.7103, 0.3165,
0.3190

 22.0336, 0.2864,
0.5509

 33.7106, 0.3220,
0.3054

 35.9332, 0.3273,
0.2935

 38.3846, 0.3323,
0.2831

 41.0712, 0.3371,
0.2740

Harmonies

Analogous

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



24.7846, 0.3491, 0.4402



24.7846, 0.2897, 0.4162



24.7846, 0.2395, 0.3601

Triad

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



24.7846, 0.2897, 0.4162



24.7846, 0.2258, 0.2355



24.7846, 0.4272, 0.3416

Complementary

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



24.7846, 0.2897, 0.4162



14.5584, 0.3479, 0.2560

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.



24.7846, 0.3876, 0.2964



24.7846, 0.2897, 0.4162



24.7846, 0.2684, 0.2380

Square

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



24.7846, 0.2897, 0.4162



24.7846, 0.2058, 0.2554



24.7846, 0.3274, 0.2598



24.7846, 0.4314, 0.3880

Rectangle

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



24.7846, 0.2897, 0.4162



24.7846, 0.2172, 0.3183



24.7846, 0.3274, 0.2598



24.7846, 0.4175, 0.3260

Sweetspot

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



24.7856, 0.2897, 0.4162



50.0509, 0.3052, 0.3517



27.1699, 0.3521, 0.4417



10.9764, 0.3040, 0.3554



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.



24.7856, 0.2897, 0.4162



42.3202, 0.2860, 0.4401



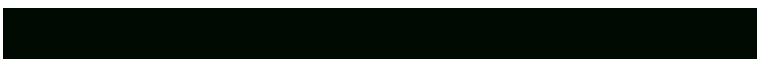
25.5821, 0.2642, 0.3513



6.4975, 0.3075, 0.3443



18.2772, 0.2860, 0.5496



0.2287, 0.2631, 0.4670

Inverse Universe

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



14.5584, 0.3479, 0.2560



21.8553, 0.3589, 0.2409



13.8356, 0.4011, 0.3087



5.8776, 0.3184, 0.3141



6.1703, 0.4207, 0.2091



0.0809, 0.3666, 0.1793

Previews

White Background



This preview shows how the Yxy color 24.7846, 0.2897, 0.4162 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 24.7846, 0.2897, 0.4162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

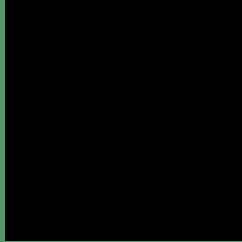
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7846, 0.2897, 0.4162

Background



This preview shows how black text looks on a background with the Yxy color 24.7846, 0.2897, 0.4162.



This preview shows how white text looks on a background with the Yxy color 24.7846, 0.2897, 0.4162.

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

24.7846, 0.2897, 0.4162

Protanopia

24.6394, 0.3633, 0.3899

Deuteranopia

24.3602, 0.3694, 0.3614



Tritanopia

24.7999, 0.2582, 0.3092

Trichromacy



Original Color

24.7846, 0.2897, 0.4162

Protanomaly

24.2941, 0.3332, 0.4001

Deuteranomaly

23.8207, 0.3352, 0.3791

Tritanomaly

24.6392, 0.2696, 0.3458

Monochromacy



Original Color

24.7846, 0.2897, 0.4162

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.0394, 0.3025, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7846, 0.2897, 0.4162 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(85, 150, 106)` looks like.

```
.text, #text, p{  
  color:rgb(85, 150, 106)  
}
```

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(85, 150, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 150, 106) }
```

Border

The CSS property to change the border of an element to Yxy 24.7846, 0.2897, 0.4162 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(85, 150, 106) }
```

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

```
.border{ border-color:rgb(85, 150, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 150, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 150, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 150, 106);  
box-shadow:4px 4px 4px 4px rgb(85, 150,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7846, 0.2897, 0.4162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 150, 106) }
```

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

```
.background{ background-color: rgb(85, 150,  
106) }
```

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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