

Converting Colors

$Y_{xy}(24.6724, 0.2857, 0.4108)$

Have a look what the booklet for
Yxy(24.6724, 0.2857, 0.4108)
contains.

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Color

Yxy(24.7558, 0.2857, 0.4104)

Conversions

Conversions Part 1

Format	Color
Hex	53966D
RGB	83, 150, 109
RGB Percent	33%, 59%, 43%
CMY	0.6745, 0.4118, 0.5726
CMYK	0.45, 0.00, 0.27, 0.41
HSL	143°, 29%, 46%
HSV	143°, 45%, 59%
XYZ	17.2338, 24.7558, 18.3316
YIQ	125.2930, -26.7710, -26.9550

Conversions

Conversions Part 2

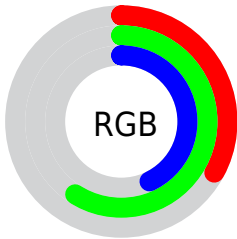
Format	Color
R_{YB}	83, 131, 150
Decimal	5477997
CIE _{Lab}	56.84, -30.95, 15.14
CIE _{LCh}	57, 34.459, 153.928
Yxy	24.7558, 0.2857, 0.4104
Android (android.graphics.Color)	4283668077 (0xFF53966D)
YUV	125.2930, -8.0324, -37.0910
Hunter-Lab	49.7552, -25.2444, 12.9841

Details

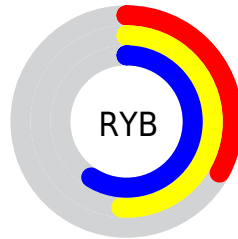
The Yxy color **24.7558, 0.2857, 0.4104** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.1291, 0.3561, 0.2605**, and the grayscale version is **20.6474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.4701, 0.2921, 0.3914**, and **9.5366, 0.2738, 0.4472** is the 20% darker color. If you saturate the color by 10%, you get **23.9590, 0.2815, 0.4329**, and if you desaturate by 10%, it is **25.7229, 0.2909, 0.3892**.

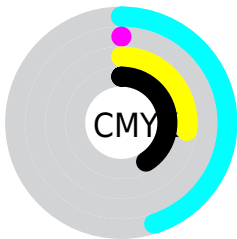
Distribution



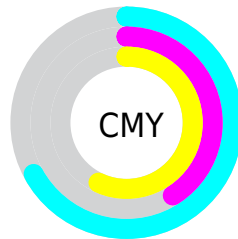
- Red (33%)
- Green (59%)
- Blue (43%)



- Red (33%)
- Yellow (51%)
- Blue (59%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (41%)




- Cyan (67%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7558, 0.2857, 0.4104 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 24.7558, 0.2857, 0.4104 by changing the saturation by 10% instead.

 24.7558, 0.2857,
0.4104


 24.7558, 0.2857,
0.4104


276.6196, 0.3017,
0.3634


 15.8952, 0.2806,
0.4249


 51.2608, 0.2922,
0.3914

 9.4500, 0.2732,
0.4456


 69.6740, 0.2944,
0.3849


 5.0359, 0.2616,
0.4773

 92.0401, 0.2962,
0.3796

 2.2683, 0.2410,
0.5316

 118.7437, 0.2977,
0.3753

 0.7569, 0.0000,
1.0000

 150.1690, 0.2989,
0.3716

 0.0000, 0.0000,
0.0000

186.7005, 0.3000,

0.3684

228.7226, 0.3009,
0.3657

■ 24.7558, 0.2857,
0.4104

■ 24.7558, 0.2857,
0.4104

■ 23.9590, 0.2815,
0.4329

■ 25.7229, 0.2909,
0.3892

■ 23.3193, 0.2787,
0.4561

■ 26.8667, 0.2968,
0.3696

■ 22.8263, 0.2774,
0.4794


■ 28.1967, 0.3031,
0.3518


■ 22.4668, 0.2779,
0.5020

■ 29.7212, 0.3097,
0.3358

■ 22.2247, 0.2801,
0.5229


■ 31.4477, 0.3162,
0.3216

 22.1205, 0.2815,
0.5334

 33.3833, 0.3227,
0.3091

 35.5349, 0.3290,
0.2981

 37.9090, 0.3350,
0.2884

 40.5119, 0.3407,
0.2800

Harmonies

Analogous

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



24.7558, 0.3437, 0.4371



24.7558, 0.2857, 0.4104



24.7558, 0.2378, 0.3543

Triad

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



24.7558, 0.2857, 0.4104



24.7558, 0.2302, 0.2368



24.7558, 0.4263, 0.3453

Complementary

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



24.7558, 0.2857, 0.4104



14.1291, 0.3561, 0.2605

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.



24.7558, 0.3902, 0.3006



24.7558, 0.2857, 0.4104



24.7558, 0.2737, 0.2409

Square

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



24.7558, 0.2857, 0.4104



24.7558, 0.2086, 0.2546



24.7558, 0.3323, 0.2637



24.7558, 0.4275, 0.3905

Rectangle

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



24.7558, 0.2857, 0.4104



24.7558, 0.2172, 0.3138



24.7558, 0.3323, 0.2637



24.7558, 0.4178, 0.3300

Sweetspot

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



24.7568, 0.2857, 0.4104



50.1154, 0.3040, 0.3495



26.7475, 0.3481, 0.4471



10.9926, 0.3027, 0.3529



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.



24.7568, 0.2857, 0.4104



42.2297, 0.2814, 0.4338



25.6118, 0.2598, 0.3435



6.5034, 0.3067, 0.3429



18.3515, 0.2811, 0.5320



0.2301, 0.2578, 0.4481

Inverse Universe

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



14.1291, 0.3561, 0.2605



20.9200, 0.3708, 0.2459



13.4253, 0.4130, 0.3159



5.8715, 0.3193, 0.3155



6.0230, 0.4453, 0.2227



0.0795, 0.3786, 0.1859

Previews

White Background



This preview shows how the Yxy color 24.7558, 0.2857, 0.4104 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 24.7558, 0.2857, 0.4104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

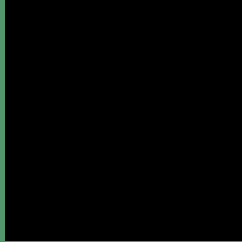
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7558, 0.2857, 0.4104

Background



This preview shows how black text looks on a background with the Yxy color 24.7558, 0.2857, 0.4104.



This preview shows how white text looks on a background with the Yxy color 24.7558, 0.2857, 0.4104.

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

24.7558, 0.2857, 0.4104

Protanopia

24.3070, 0.3603, 0.3852

Deuteranopia

24.3256, 0.3646, 0.3567



Tritanopia

24.7265, 0.2559, 0.3073

Trichromacy



Original Color

24.7558, 0.2857, 0.4104

Protanomaly

23.9137, 0.3282, 0.3933

Deuteranomaly

23.8070, 0.3309, 0.3738

Tritanomaly

24.5955, 0.2664, 0.3420

Monochromacy



Original Color

24.7558, 0.2857, 0.4104

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6971, 0.3014, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7558, 0.2857, 0.4104 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(83, 150, 109)` looks like.

```
.text, #text, p{  
    color:rgb(83, 150, 109)  
}
```

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(83, 150, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 150, 109) }
```

Border

The CSS property to change the border of an element to Yxy 24.7558, 0.2857, 0.4104 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(83, 150, 109) }
```

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

```
.border{ border-color:rgb(83, 150, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 150, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 150, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 150, 109);  
box-shadow:4px 4px 4px 4px rgb(83, 150,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7558, 0.2857, 0.4104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 150, 109) }
```

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

```
.background{ background-color: rgb(83, 150,  
109) }
```

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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