

Converting Colors

$Yxy(24.6907, 0.2793, 0.4279)$

Have a look what the booklet for
Yxy(24.6907, 0.2793, 0.4279)
contains.

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Color

Yxy(24.6849, 0.2787, 0.4270)

Conversions

Conversions Part 1

Format	Color
Hex	449868
RGB	68, 152, 104
RGB Percent	27%, 60%, 41%
CMY	0.7333, 0.4039, 0.5921
CMYK	0.55, 0.00, 0.32, 0.40
HSL	146°, 38%, 43%
HSV	146°, 55%, 60%
XYZ	16.1117, 24.6849, 17.0135
YIQ	121.4120, -34.6560, -32.7360

Conversions

Conversions Part 2

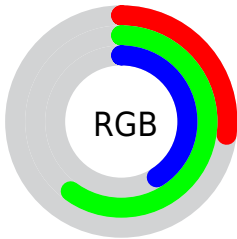
Format	Color
RYB	68, 127, 152
Decimal	4495464
CIELab	56.77, -36.93, 17.74
CIELCh	57, 40.972, 154.347
Yxy	24.6849, 0.2787, 0.4270
Android (android.graphics.Color)	4282685544 (0xFF449868)
YUV	121.4120, -8.5841, -46.8423
Hunter-Lab	49.6839, -29.0622, 14.4758

Details

The Yxy color **24.6849, 0.2787, 0.4270** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **12.0726, 0.3774, 0.2508**, and the grayscale version is **19.2993, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2032, 0.2876, 0.4045**, and **9.4098, 0.2633, 0.4678** is the 20% darker color. If you saturate the color by 10%, you get **24.0408, 0.2756, 0.4487**, and if you desaturate by 10%, it is **25.4909, 0.2832, 0.4060**.

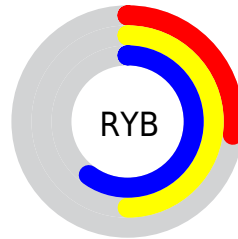
Distribution



Red (27%)

Green (60%)

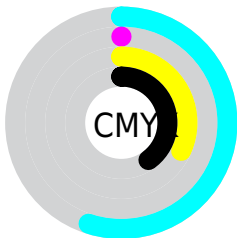
Blue (41%)



Red (27%)

Yellow (50%)

Blue (60%)

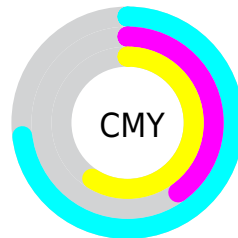


Cyan (55%)

Magenta (0%)

Yellow (32%)

Black (40%)



Cyan (73%)


Magenta (40%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6849, 0.2787, 0.4270 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 24.6849, 0.2787, 0.4270 by changing the saturation by 10% instead.


 24.6849, 0.2787,
0.4270


 24.6849, 0.2787,
0.4270


276.2651, 0.2989,
0.3699


 15.8425, 0.2722,
0.4448


 51.1456, 0.2870,
0.4039

 9.4127, 0.2627,
0.4702


 69.5326, 0.2898,
0.3960


 5.0114, 0.2476,
0.5094

 91.8699, 0.2921,
0.3896

 2.2539, 0.2214,
0.5783

 118.5420, 0.2940,
0.3843

 0.7492, 0.0000,
1.0000

 149.9331, 0.2955,
0.3798

 0.0000, 0.0000,
0.0000

186.4277, 0.2968,

0.3760

228.4103, 0.2980,
0.3728

■ 24.6849, 0.2787,
0.4270

■ 24.6849, 0.2787,
0.4270

■ 24.0408, 0.2756,
0.4487

■ 25.4909, 0.2832,
0.4060

■ 23.5438, 0.2743,
0.4707

■ 26.4664, 0.2887,
0.3862

■ 23.1815, 0.2747,
0.4920

■ 27.6219, 0.2950,
0.3679

■ 22.9363, 0.2769,
0.5122

■ 28.9663, 0.3019,
0.3512

■ 22.8401, 0.2781,
0.5213

■ 30.5078, 0.3090,
0.3362

■ 32.2542, 0.3161,
0.3229

■ 34.2129, 0.3232,
0.3110

■ 36.3908, 0.3301,
0.3006

■ 38.7946, 0.3367,
0.2915

Harmonies

Analogous

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



24.6849, 0.3466, 0.4588



24.6849, 0.2787, 0.4270



24.6849, 0.2236, 0.3575

Triad

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



24.6849, 0.2787, 0.4270



24.6849, 0.2168, 0.2215



24.6849, 0.4482, 0.3468

Complementary

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



24.6849, 0.2787, 0.4270



12.0726, 0.3774, 0.2508

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.



24.6849, 0.4057, 0.2957



24.6849, 0.2787, 0.4270



24.6849, 0.2671, 0.2270

Square

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



24.6849, 0.2787, 0.4270



24.6849, 0.1919, 0.2404



24.6849, 0.3363, 0.2534



24.6849, 0.4478, 0.3994

Rectangle

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



24.6849, 0.2787, 0.4270



24.6849, 0.2006, 0.3086



24.6849, 0.3363, 0.2534



24.6849, 0.4385, 0.3292

Sweetspot

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



24.6859, 0.2787, 0.4270



50.6067, 0.3004, 0.3546



26.6567, 0.3511, 0.4773



11.4015, 0.2992, 0.3575



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6859, 0.2787, 0.4270



42.2352, 0.2752, 0.4532



25.7307, 0.2489, 0.3421



6.9673, 0.3061, 0.3420



19.1567, 0.2778, 0.5200



0.2935, 0.2552, 0.4389

Inverse Universe

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



12.0726, 0.3774, 0.2508



17.6860, 0.3989, 0.2380



11.3196, 0.4576, 0.3180



6.2789, 0.3199, 0.3164



6.1785, 0.4619, 0.2318



0.0996, 0.3892, 0.1917

Previews

White Background



This preview shows how the Yxy color 24.6849, 0.2787, 0.4270 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 24.6849, 0.2787, 0.4270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

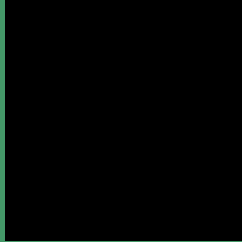
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6849, 0.2787, 0.4270

Background



This preview shows how black text looks on a background with the Yxy color 24.6849, 0.2787, 0.4270.



This preview shows how white text looks on a background with the Yxy color 24.6849, 0.2787, 0.4270.

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

24.6849, 0.2787, 0.4270

Protanopia

24.3020, 0.3670, 0.3933

Deuteranopia

24.2375, 0.3694, 0.3632



Tritanopia

24.5241, 0.2476, 0.3070

Trichromacy



Original Color

24.6849, 0.2787, 0.4270

Protanomaly

23.8214, 0.3284, 0.4054

Deuteranomaly

23.5985, 0.3301, 0.3856

Tritanomaly

24.6345, 0.2588, 0.3480

Monochromacy



Original Color

24.6849, 0.2787, 0.4270

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.5651, 0.2968, 0.3627

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6849, 0.2787, 0.4270 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(68, 152, 104)` looks like.

```
.text, #text, p{  
    color:rgb(68, 152, 104)  
}
```

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(68, 152, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 152, 104) }
```

Border

The CSS property to change the border of an element to Yxy 24.6849, 0.2787, 0.4270 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(68, 152, 104) }
```

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

```
.border{ border-color:rgb(68, 152, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 152, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 152, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 152, 104);  
box-shadow:4px 4px 4px 4px rgb(68, 152,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6849, 0.2787, 0.4270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 152, 104) }
```

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

```
.background{ background-color: rgb(68, 152,  
104) }
```

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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