

Converting Colors

$Y_{xy}(24.5355, 0.2830, 0.4089)$

Have a look what the booklet for
Yxy(24.5355, 0.2830, 0.4089)
contains.

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Color

$\text{Yxy}(24.6440, 0.2825, 0.4088)$

Conversions

Conversions Part 1

Format	Color
Hex	50966E
RGB	80, 150, 110
RGB Percent	31%, 59%, 43%
CMY	0.6862, 0.4118, 0.5686
CMYK	0.47, 0.00, 0.27, 0.41
HSL	146°, 30%, 45%
HSV	146°, 47%, 59%
XYZ	17.0302, 24.6440, 18.6096
YIQ	124.5100, -28.8800, -27.2800

Conversions

Conversions Part 2

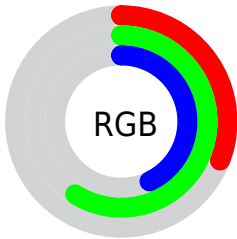
Format	Color
RYB	80, 129, 150
Decimal	5281390
CIELab	56.73, -31.60, 14.40
CIElCh	57, 34.725, 155.501
Yxy	24.6440, 0.2825, 0.4088
Android (android.graphics.Color)	4283471470 (0xFF50966E)
YUV	124.5100, -7.1534, -39.0353
Hunter-Lab	49.6427, -25.6395, 12.5238

Details

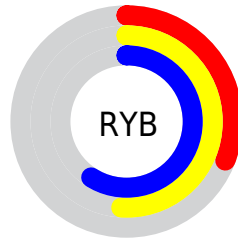
The Yxy color **24.6440, 0.2825, 0.4088** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.5813, 0.3635, 0.2620**, and the grayscale version is **20.3688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2578, 0.2895, 0.3902**, and **9.4782, 0.2692, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **23.8853, 0.2782, 0.4299**, and if you desaturate by 10%, it is **25.5686, 0.2879, 0.3888**.

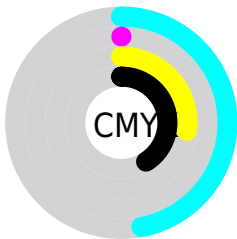
Distribution



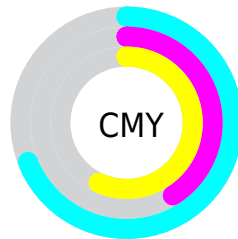
- Red (31%)
- Green (59%)
- Blue (43%)



- Red (31%)
- Yellow (51%)
- Blue (59%)



- Cyan (47%)
- Magenta (0%)
- Yellow (27%)
- Black (41%)




- Cyan (69%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.6440, 0.2825, 0.4088 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 24.6440, 0.2825, 0.4088 by changing the saturation by 10% instead.


 24.6440, 0.2825,
0.4088


 24.6440, 0.2825,
0.4088


276.0604, 0.3002,
0.3627


 15.8120, 0.2769,
0.4230


 51.0791, 0.2897,
0.3902

 9.3912, 0.2689,
0.4433


 69.4510, 0.2921,
0.3838


 4.9972, 0.2564,
0.4745


 91.7717, 0.2941,
0.3786

 2.2456, 0.2345,
0.5280

 118.4255, 0.2958,
0.3743

 0.7447, 0.0000,
1.0000

 149.7969, 0.2971,
0.3707

 0.0000, 0.0000,
0.0000

186.2703, 0.2983,

0.3676

228.2299, 0.2993,
0.3650

■ 24.6440, 0.2825,
0.4088

■ 24.6440, 0.2825,
0.4088

■ 23.8853, 0.2782,
0.4299

■ 25.5686, 0.2879,
0.3888

■ 23.2791, 0.2754,
0.4517

■ 26.6654, 0.2941,
0.3703

■ 22.8149, 0.2742,
0.4736


■ 27.9442, 0.3009,
0.3534

■ 22.4794, 0.2749,
0.4948

■ 29.4129, 0.3080,
0.3382


■ 22.2520, 0.2773,
0.5147


■ 31.0793, 0.3151,
0.3246

 22.1859, 0.2781,
0.5211

 32.9504, 0.3222,
0.3126

 35.0330, 0.3291,
0.3020

 37.3336, 0.3358,
0.2927

 39.8585, 0.3422,
0.2846

Harmonies

Analogous

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



24.6440, 0.3408, 0.4377



24.6440, 0.2825, 0.4088



24.6440, 0.2351, 0.3512

Triad

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



24.6440, 0.2825, 0.4088



24.6440, 0.2313, 0.2358



24.6440, 0.4284, 0.3478

Complementary

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



24.6440, 0.2825, 0.4088



13.5813, 0.3635, 0.2620

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.



24.6440, 0.3936, 0.3026



24.6440, 0.2825, 0.4088



24.6440, 0.2761, 0.2410

Square

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



24.6440, 0.2825, 0.4088



24.6440, 0.2083, 0.2524



24.6440, 0.3357, 0.2648



24.6440, 0.4276, 0.3932

Rectangle

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



24.6440, 0.2825, 0.4088



24.6440, 0.2152, 0.3106



24.6440, 0.3357, 0.2648



24.6440, 0.4204, 0.3323

Sweetspot

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



24.6450, 0.2825, 0.4088



49.9000, 0.3026, 0.3497



26.4460, 0.3468, 0.4536



10.9511, 0.3012, 0.3528



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.



24.6450, 0.2825, 0.4088



42.0980, 0.2781, 0.4309



25.5381, 0.2563, 0.3397



6.5072, 0.3062, 0.3419



18.4066, 0.2777, 0.5198



0.2310, 0.2547, 0.4370

Inverse Universe

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



13.5813, 0.3635, 0.2620



20.0992, 0.3804, 0.2486



12.8941, 0.4241, 0.3194



5.8676, 0.3199, 0.3164



5.9381, 0.4616, 0.2316



0.0786, 0.3870, 0.1906

Previews

White Background



This preview shows how the Yxy color 24.6440, 0.2825, 0.4088 looks on a white background.

Color Contrast Check

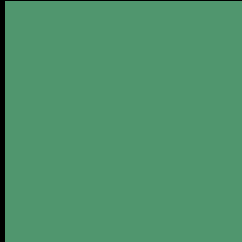
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6440, 0.2825, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

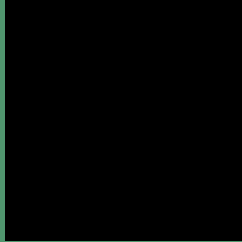
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6440, 0.2825, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 24.6440, 0.2825, 0.4088.



This preview shows how white text looks on a background with the Yxy color 24.6440, 0.2825, 0.4088.

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

24.6440, 0.2825, 0.4088

Protanopia

24.3270, 0.3592, 0.3834

Deuteranopia

24.2481, 0.3622, 0.3552



Tritanopia

24.5710, 0.2537, 0.3072

Trichromacy



Original Color

24.6440, 0.2825, 0.4088

Protanomaly

23.8617, 0.3261, 0.3917

Deuteranomaly

23.6728, 0.3275, 0.3722

Tritanomaly

24.4481, 0.2640, 0.3421

Monochromacy



Original Color

24.6440, 0.2825, 0.4088

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.6575, 0.2994, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6440, 0.2825, 0.4088 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(80, 150, 110)` looks like.

```
.text, #text, p{  
  color:rgb(80, 150, 110)  
}
```

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(80, 150, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 150, 110) }
```

Border

The CSS property to change the border of an element to Yxy 24.6440, 0.2825, 0.4088 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(80, 150, 110) }
```

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

```
.border{ border-color:rgb(80, 150, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 150, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 150, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 150, 110);  
box-shadow:4px 4px 4px 4px rgb(80, 150,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6440, 0.2825, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 150, 110) }
```

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

```
.background{ background-color: rgb(80, 150,  
110) }
```

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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