

Converting Colors

$Y_{xy}(22.8539, 0.2655, 0.4057)$

Have a look what the booklet for
Yxy(22.8539, 0.2655, 0.4057)
contains.

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Color

Yxy(22.8850, 0.2651, 0.4047)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 39936F |
| RGB | 57, 147, 111 |
| RGB Percent | 22%, 58%, 44% |
| CMY | 0.7765, 0.4235, 0.5646 |
| CMYK | 0.61, 0.00, 0.24, 0.42 |
| HSL | 156°, 44%, 40% |
| HSV | 156°, 61%, 58% |
| XYZ | 14.9909, 22.8850, 18.6722 |
| YIQ | 115.9860, -42.0840, -30.2760 |

Conversions

Conversions Part 2

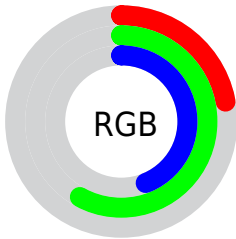
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 57, 113, 147 |
| Decimal | 3773295 |
| CIELab | 54.95, -35.69, 11.22 |
| CIElCh | 55, 37.410, 162.550 |
| Yxy | 22.8850, 0.2651, 0.4047 |
| Android (android.graphics.Color) | 4281963375 (0xFF39936F) |
| YUV | 115.9860, -2.4581, -51.7307 |
| Hunter-Lab | 47.8383, -27.7811, 10.3448 |

Details

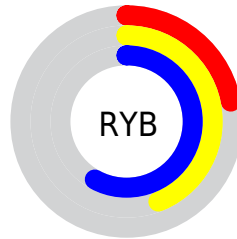
The Yxy color **22.8850, 0.2651, 0.4047** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9187, 0.4200, 0.2693**, and the grayscale version is **17.4782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3961, 0.2761, 0.3868**, and **8.5433, 0.2543, 0.4354** is the 20% darker color. If you saturate the color by 10%, you get **22.3894, 0.2617, 0.4198**, and if you desaturate by 10%, it is **23.5160, 0.2702, 0.3901**.

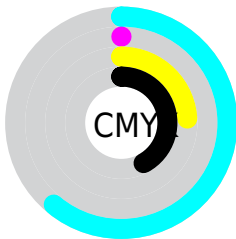
Distribution



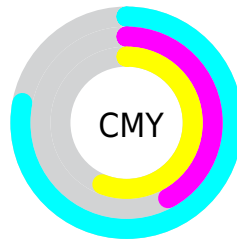
- Red (22%)
- Green (58%)
- Blue (44%)



- Red (22%)
- Yellow (44%)
- Blue (58%)



- Cyan (61%)
- Magenta (0%)
- Yellow (24%)
- Black (42%)




- Cyan (78%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8850, 0.2651, 0.4047 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 22.8850, 0.2651, 0.4047 by changing the saturation by 10% instead.


 22.8850, 0.2651,
0.4047


 22.8850, 0.2651,
0.4047

267.1338, 0.2925,
0.3606

 14.5086, 0.2567,
0.4185


 48.2044, 0.2761,
0.3868


 8.4753, 0.2448,
0.4384


 65.9163, 0.2799,
0.3807

 4.4005, 0.2265,
0.4693

 87.5087, 0.2830,
0.3757

 1.9000, 0.1939,
0.5247

 113.3661, 0.2855,
0.3716

 0.5484, 0.0000,
1.0000

 143.8730, 0.2877,
0.3682

 0.0000, 0.0000,
0.0000

179.4136, 0.2895,

0.3653

220.3724, 0.2911,
0.3628

■ 22.8850, 0.2651,
0.4047

■ 22.8850, 0.2651,
0.4047

■ 22.3894, 0.2617,
0.4198

■ 23.5160, 0.2702,
0.3901

■ 22.0153, 0.2602,
0.4350

■ 24.2897, 0.2767,
0.3762

■ 21.7501, 0.2606,
0.4501

■ 25.2159, 0.2844,
0.3631

■ 21.5766, 0.2620,
0.4631

■ 26.3030, 0.2930,
0.3511

■ 27.5585, 0.3021,
0.3401

■ 28.9896, 0.3115,
0.3301

■ 30.6030, 0.3211,
0.3213

■ 32.4050, 0.3307,
0.3133

■ 34.4018, 0.3401,
0.3064

Harmonies

Analogous

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



22.8850, 0.3275, 0.4465



22.8850, 0.2651, 0.4047



22.8850, 0.2186, 0.3367

Triad

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



22.8850, 0.2651, 0.4047



22.8850, 0.2331, 0.2266



22.8850, 0.4438, 0.3604

Complementary

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



22.8850, 0.2651, 0.4047



9.9187, 0.4200, 0.2693

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.



22.8850, 0.4142, 0.3106



22.8850, 0.2651, 0.4047



22.8850, 0.2866, 0.2376

Square

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



22.8850, 0.2651, 0.4047



22.8850, 0.2025, 0.2383



22.8850, 0.3539, 0.2674



22.8850, 0.4330, 0.4089

Rectangle

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



22.8850, 0.2651, 0.4047



22.8850, 0.2014, 0.2937



22.8850, 0.3539, 0.2674



22.8850, 0.4383, 0.3435

Sweetspot

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



22.8859, 0.2651, 0.4047



47.7151, 0.2955, 0.3478



23.4904, 0.3355, 0.5024



10.7612, 0.2931, 0.3509



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.



22.8859, 0.2651, 0.4047



39.8530, 0.2610, 0.4247



21.1536, 0.2358, 0.3109



6.5234, 0.3040, 0.3380



18.7102, 0.2618, 0.4623



0.2348, 0.2434, 0.3963

Inverse Universe

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



9.9187, 0.4200, 0.2693



14.6035, 0.4579, 0.2629



10.3944, 0.4872, 0.3440



5.8515, 0.3224, 0.3202



5.6540, 0.5321, 0.2705



0.0748, 0.4306, 0.2146

Previews

White Background



This preview shows how the Yxy color 22.8850, 0.2651, 0.4047 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 22.8850, 0.2651, 0.4047 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 22.8850, 0.2651, 0.4047

Background



This preview shows how black text looks on a background with the Yxy color 22.8850, 0.2651, 0.4047.



This preview shows how white text looks on a background with the Yxy color 22.8850, 0.2651, 0.4047.

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

22.8850, 0.2651, 0.4047

Protanopia

22.4335, 0.3539, 0.3766

Deuteranopia

22.5722, 0.3526, 0.3459



Tritanopia

22.7274, 0.2417, 0.3061

Trichromacy



Original Color

22.8850, 0.2651, 0.4047

Protanomaly

21.9001, 0.3133, 0.3873

Deuteranomaly

21.9781, 0.3132, 0.3668

Tritanomaly

22.6732, 0.2499, 0.3387

Monochromacy



Original Color

22.8850, 0.2651, 0.4047

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.8265, 0.2900, 0.3558

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8850, 0.2651, 0.4047 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(57, 147, 111)` looks like.

```
.text, #text, p{  
  color:rgb(57, 147, 111)  
}
```

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(57, 147, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 147, 111) }
```

Border

The CSS property to change the border of an element to Yxy 22.8850, 0.2651, 0.4047 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(57, 147, 111) }
```

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

```
.border{ border-color:rgb(57, 147, 111) }
```

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

Here you see how a box with a 4 pixel rgb(57, 147, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 147, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 147, 111);  
box-shadow:4px 4px 4px 4px rgb(57, 147,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8850, 0.2651, 0.4047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 147, 111) }
```

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

```
.background{ background-color: rgb(57, 147,  
111) }
```

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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