

Converting Colors

$Y_{xy}(22.5974, 0.2871, 0.4580)$

Have a look what the booklet for
Yxy(22.5974, 0.2871, 0.4580)
contains.

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Color

Yxy(22.6123, 0.2872, 0.4573)

Conversions

Conversions Part 1

Format	Color
Hex	3F9357
RGB	63, 147, 87
RGB Percent	25%, 58%, 34%
CMY	0.7532, 0.4235, 0.6588
CMYK	0.57, 0.00, 0.41, 0.42
HSL	137°, 40%, 41%
HSV	137°, 57%, 58%
XYZ	14.2013, 22.6123, 12.6338
YIQ	115.0440, -30.8040, -36.4680

Conversions

Conversions Part 2

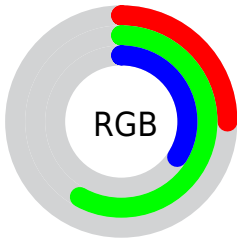
Format	Color
RYB	63, 128, 147
Decimal	4166487
CIELab	54.67, -39.30, 24.30
CIElCh	55, 46.202, 148.272
Yxy	22.6123, 0.2872, 0.4573
Android (android.graphics.Color)	4282356567 (0xFF3F9357)
YUV	115.0440, -13.8257, -45.6426
Hunter-Lab	47.5524, -29.9085, 17.5344

Details

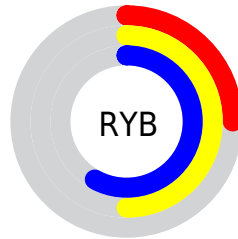
The Yxy color **22.6123, 0.2872, 0.4573** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.1813, 0.3582, 0.2304**, and the grayscale version is **17.2043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8988, 0.2951, 0.4270**, and **8.3376, 0.2764, 0.5149** is the 20% darker color. If you saturate the color by 10%, you get **22.0334, 0.2853, 0.4840**, and if you desaturate by 10%, it is **23.3472, 0.2903, 0.4309**.

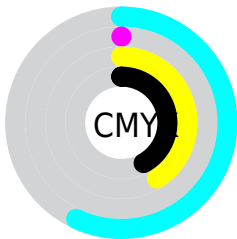
Distribution



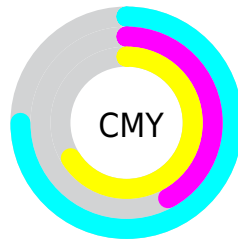
- Red (25%)
- Green (58%)
- Blue (34%)



- Red (25%)
- Yellow (50%)
- Blue (58%)



- Cyan (57%)
- Magenta (0%)
- Yellow (41%)
- Black (42%)





- Cyan (75%)
- Magenta (42%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6123, 0.2872, 0.4573 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 22.6123, 0.2872, 0.4573 by changing the saturation by 10% instead.


 22.6123, 0.2872,
0.4573


 22.6123, 0.2872,
0.4573


265.7274, 0.3039,
0.3810


 14.3075, 0.2809,
0.4817


 47.7559, 0.2946,
0.4260

 8.3348, 0.2711,
0.5171


 65.3636, 0.2970,
0.4154

 4.3099, 0.2540,
0.5722

 86.8409, 0.2988,
0.4068

 1.8484, 0.2335,
0.7386

 112.5724, 0.3002,
0.3998

 0.5171, 0.0000,
1.0000

 142.9424, 0.3014,
0.3940

 0.0000, 0.0000,
0.0000

178.3353, 0.3024,

0.3890

219.1355, 0.3032,
0.3847

■ 22.6123, 0.2872,
0.4573

■ 22.6123, 0.2872,
0.4573

■ 22.0334, 0.2853,
0.4840

■ 23.3472, 0.2903,
0.4309

■ 21.5960, 0.2849,
0.5099

■ 24.2458, 0.2943,
0.4056

■ 21.2879, 0.2859,
0.5338

■ 25.3183, 0.2989,
0.3821

■ 21.0866, 0.2883,
0.5545

■ 26.5736, 0.3039,
0.3607

■ 21.0379, 0.2888,
0.5598

■ 28.0198, 0.3090,
0.3415

■ 29.6645, 0.3142,
0.3244

■ 31.5149, 0.3192,
0.3094

■ 33.5779, 0.3240,
0.2962

■ 35.8601, 0.3286,
0.2847

Harmonies

Analogous

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



22.6123, 0.3651, 0.4804



22.6123, 0.2872, 0.4573



22.6123, 0.2205, 0.3799

Triad

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



22.6123, 0.2872, 0.4573



22.6123, 0.1956, 0.2086



22.6123, 0.4637, 0.3349

Complementary

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



22.6123, 0.2872, 0.4573



11.1813, 0.3582, 0.2304

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.



22.6123, 0.4057, 0.2795



22.6123, 0.2872, 0.4573



22.6123, 0.2461, 0.2103

Square

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



22.6123, 0.2872, 0.4573



22.6123, 0.1739, 0.2348



22.6123, 0.3221, 0.2355



22.6123, 0.4720, 0.3945

Rectangle

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



22.6123, 0.2872, 0.4573



22.6123, 0.1910, 0.3204



22.6123, 0.3221, 0.2355



22.6123, 0.4492, 0.3157

Sweetspot

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



22.6132, 0.2872, 0.4573



47.5436, 0.3038, 0.3610



25.4534, 0.3646, 0.4753



10.7560, 0.3029, 0.3647



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.



22.6132, 0.2872, 0.4573



39.1735, 0.2850, 0.4926



23.5045, 0.2555, 0.3655



6.4941, 0.3080, 0.3452



18.2402, 0.2886, 0.5589



0.2278, 0.2664, 0.4790

Inverse Universe

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



11.1813, 0.3582, 0.2304



16.5821, 0.3730, 0.2139



10.3490, 0.4415, 0.2986



5.8812, 0.3178, 0.3133



6.2650, 0.4070, 0.2016



0.0818, 0.3601, 0.1757

Previews

White Background



This preview shows how the Yxy color 22.6123, 0.2872, 0.4573 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 22.6123, 0.2872, 0.4573 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 22.6123, 0.2872, 0.4573

Background



This preview shows how black text looks on a background with the Yxy color 22.6123, 0.2872, 0.4573.



This preview shows how white text looks on a background with the Yxy color 22.6123, 0.2872, 0.4573.

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

22.6123, 0.2872, 0.4573

Protanopia

22.2952, 0.3834, 0.4153

Deuteranopia

22.1566, 0.3905, 0.3819



Tritanopia

22.4051, 0.2477, 0.3062

Trichromacy



Original Color

22.6123, 0.2872, 0.4573

Protanomaly

21.7436, 0.3408, 0.4315

Deuteranomaly

21.3783, 0.3462, 0.4084

Tritanomaly

22.3604, 0.2618, 0.3570

Monochromacy



Original Color

22.6123, 0.2872, 0.4573

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.6855, 0.3003, 0.3750

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6123, 0.2872, 0.4573 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(63, 147, 87)` looks like.

```
.text, #text, p{  
    color:rgb(63, 147, 87)  
}
```

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(63, 147, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 147, 87) }
```

Border

The CSS property to change the border of an element to Yxy 22.6123, 0.2872, 0.4573 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(63, 147, 87) }
```

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

```
.border{ border-color:rgb(63, 147, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 147, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 147, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 147, 87);  
box-shadow:4px 4px 4px 4px rgb(63, 147,  
87) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6123, 0.2872, 0.4573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 147, 87) }
```

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

```
.background{ background-color: rgb(63, 147,  
87) }
```

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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