

Converting Colors

$Y_{xy}(22.9422, 0.2964, 0.4277)$

Have a look what the booklet for
Yxy(22.9422, 0.2964, 0.4277)
contains.

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Color

Yxy(22.9987, 0.2960, 0.4271)

Conversions

Conversions Part 1

Format	Color
Hex	549161
RGB	84, 145, 97
RGB Percent	33%, 57%, 38%
CMY	0.6706, 0.4314, 0.6196
CMYK	0.42, 0.00, 0.33, 0.43
HSL	133°, 27%, 45%
HSV	133°, 42%, 57%
XYZ	15.9392, 22.9987, 14.9107
YIQ	121.2890, -20.9480, -27.8600

Conversions

Conversions Part 2

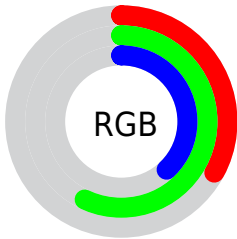
Format	Color
R_{YB}	84, 134, 145
Decimal	5542241
CIE _{Lab}	55.07, -30.61, 19.45
CIE _{LCh}	55, 36.269, 147.573
Yxy	22.9987, 0.2960, 0.4271
Android (android.graphics.Color)	4283732321 (0xFF549161)
YUV	121.2890, -11.9745, -32.7025
Hunter-Lab	47.9570, -24.5977, 15.1356

Details

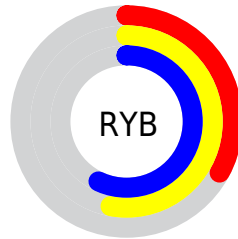
The Yxy color **22.9987, 0.2960, 0.4271** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.0254, 0.3361, 0.2479**, and the grayscale version is **19.2637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2192, 0.3004, 0.4033**, and **8.5428, 0.2857, 0.4717** is the 20% darker color. If you saturate the color by 10%, you get **22.2007, 0.2930, 0.4556**, and if you desaturate by 10%, it is **23.9677, 0.2996, 0.4001**.

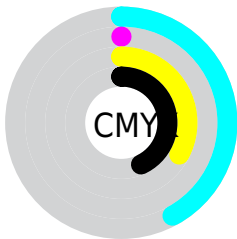
Distribution



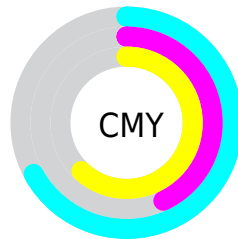
- Red (33%)
- Green (57%)
- Blue (38%)



- Red (33%)
- Yellow (53%)
- Blue (57%)



- Cyan (42%)
- Magenta (0%)
- Yellow (33%)
- Black (43%)




- Cyan (67%)
- Magenta (43%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9987, 0.2960, 0.4271 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 22.9987, 0.2960, 0.4271 by changing the saturation by 10% instead.


 22.9987, 0.2960,
0.4271

 22.9987, 0.2960,
0.4271


267.7183, 0.3068,
0.3696


 14.5925, 0.2920,
0.4452


 48.3912, 0.3007,
0.4037

 8.5339, 0.2859,
0.4714


 66.1463, 0.3022,
0.3957


 4.4385, 0.2753,
0.5120

 87.7866, 0.3034,
0.3892

 1.9217, 0.2606,
0.5973

 113.6963, 0.3044,
0.3839

 0.5614, 0.0000,
1.0000

 144.2600, 0.3051,
0.3794

 0.0000, 0.0000,
0.0000

179.8619, 0.3058,

0.3757

220.8866, 0.3063,
0.3724

■ 22.9987, 0.2960,
0.4271

■ 22.9987, 0.2960,
0.4271

■ 22.2007, 0.2930,
0.4556

■ 23.9677, 0.2996,
0.4001

■ 21.5610, 0.2909,
0.4845

■ 25.1140, 0.3036,
0.3753

■ 21.0694, 0.2899,
0.5127

■ 26.4470, 0.3077,
0.3528


■ 20.7138, 0.2901,
0.5386

■ 27.9744, 0.3119,
0.3328


■ 20.4794, 0.2916,
0.5606

■ 29.7039, 0.3159,
0.3152

 20.3504, 0.2930,
0.5749

 31.6424, 0.3198,
0.2998

 33.7967, 0.3235,
0.2864

 36.1731, 0.3270,
0.2747

 38.7777, 0.3302,
0.2646

Harmonies

Analogous

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



22.9987, 0.3584, 0.4465



22.9987, 0.2960, 0.4271



22.9987, 0.2413, 0.3704

Triad

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



22.9987, 0.2960, 0.4271



22.9987, 0.2175, 0.2323



22.9987, 0.4300, 0.3353

Complementary

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



22.9987, 0.2960, 0.4271



14.0254, 0.3361, 0.2479

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.



22.9987, 0.3842, 0.2891



22.9987, 0.2960, 0.4271



22.9987, 0.2591, 0.2322

Square

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



22.9987, 0.2960, 0.4271



22.9987, 0.1998, 0.2560



22.9987, 0.3195, 0.2526



22.9987, 0.4392, 0.3842

Rectangle

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



22.9987, 0.2960, 0.4271



22.9987, 0.2161, 0.3256



22.9987, 0.3195, 0.2526



22.9987, 0.4182, 0.3193

Sweetspot

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



22.9997, 0.2960, 0.4271



47.0565, 0.3072, 0.3554



25.8622, 0.3592, 0.4348



10.3574, 0.3064, 0.3598



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.9997, 0.2960, 0.4271



39.8903, 0.2933, 0.4526



23.6609, 0.2712, 0.3647



6.0470, 0.3089, 0.3468



17.4577, 0.2928, 0.5740



0.1696, 0.2734, 0.5043

Inverse Universe

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



14.0254, 0.3361, 0.2479



21.6968, 0.3426, 0.2318



13.3251, 0.3845, 0.2968



5.4916, 0.3167, 0.3119



6.2105, 0.3817, 0.1876



0.0626, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 22.9987, 0.2960, 0.4271 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 22.9987, 0.2960, 0.4271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

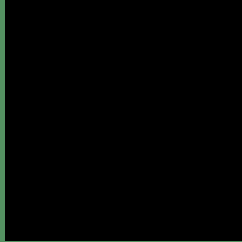
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9987, 0.2960, 0.4271

Background



This preview shows how black text looks on a background with the Yxy color 22.9987, 0.2960, 0.4271.



This preview shows how white text looks on a background with the Yxy color 22.9987, 0.2960, 0.4271.

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

22.9987, 0.2960, 0.4271

Protanopia

22.7387, 0.3708, 0.3984

Deuteranopia

22.7313, 0.3771, 0.3705



Tritanopia

22.8119, 0.2597, 0.3068

Trichromacy



Original Color

22.9987, 0.2960, 0.4271

Protanomaly

22.4636, 0.3404, 0.4096

Deuteranomaly

22.3623, 0.3437, 0.3893

Tritanomaly

22.9126, 0.2726, 0.3482

Monochromacy



Original Color

22.9987, 0.2960, 0.4271

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

20.3233, 0.3065, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9987, 0.2960, 0.4271 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(84, 145, 97)` looks like.

```
.text, #text, p{  
    color:rgb(84, 145, 97)  
}
```

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(84, 145, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 145, 97) }
```

Border

The CSS property to change the border of an element to Yxy 22.9987, 0.2960, 0.4271 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(84, 145, 97) }
```

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

```
.border{ border-color:rgb(84, 145, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 145, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 145, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 145, 97);  
box-shadow:4px 4px 4px 4px rgb(84, 145,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9987, 0.2960, 0.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 145, 97) }
```

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

```
.background{ background-color: rgb(84, 145,  
97) }
```

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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