

Converting Colors

$Y_{xy}(22.2755, 0.2957, 0.4976)$

Have a look what the booklet for
Yxy(22.2755, 0.2957, 0.4976)
contains.

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Color

Yxy(22.1670, 0.2960, 0.4973)

Conversions

Conversions Part 1

Format	Color
Hex	399345
RGB	57, 147, 69
RGB Percent	22%, 58%, 27%
CMY	0.7766, 0.4235, 0.7294
CMYK	0.61, 0.00, 0.53, 0.42
HSL	128°, 44%, 40%
HSV	128°, 61%, 58%
XYZ	13.1941, 22.1670, 9.2136
YIQ	111.1980, -28.6020, -43.3380

Conversions

Conversions Part 2

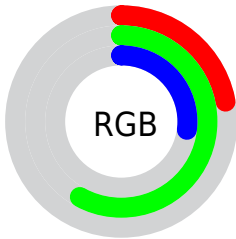
Format	Color
RYB	57, 136, 147
Decimal	3773253
CIELab	54.20, -43.71, 33.24
CIELCh	54, 54.912, 142.752
Yxy	22.1670, 0.2960, 0.4973
Android (android.graphics.Color)	4281963333 (0xFF399345)
YUV	111.1980, -20.8036, -47.5316
Hunter-Lab	47.0818, -32.3708, 21.3546

Details

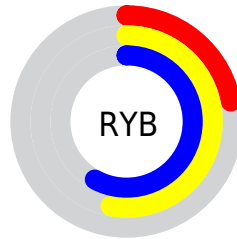
The Yxy color **22.1670, 0.2960, 0.4973** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **10.8758, 0.3383, 0.2059**, and the grayscale version is **16.0232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0837, 0.3028, 0.4561**, and **8.2386, 0.2907, 0.5665** is the 20% darker color. If you saturate the color by 10%, you get **21.6553, 0.2950, 0.5270**, and if you desaturate by 10%, it is **22.8396, 0.2978, 0.4661**.

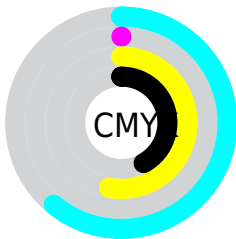
Distribution



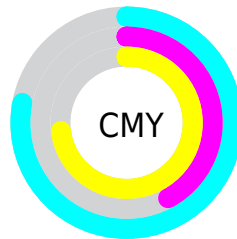
- Red (22%)
- Green (58%)
- Blue (27%)



- Red (22%)
- Yellow (53%)
- Blue (58%)



- Cyan (61%)
- Magenta (0%)
- Yellow (53%)
- Black (42%)





- Cyan (78%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1670, 0.2960, 0.4973 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 22.1670, 0.2960, 0.4973 by changing the saturation by 10% instead.


 22.1670, 0.2960,
0.4973


 22.1670, 0.2960,
0.4973


263.4171, 0.3097,
0.3965

 13.9797, 0.2894,
0.5295


 47.0219, 0.3029,
0.4558

 8.1065, 0.2780,
0.5755


 64.4582, 0.3049,
0.4418

 4.1632, 0.2580,
0.6493

 85.7462, 0.3063,
0.4305

 1.7653, 0.1950,
0.8050

 111.2705, 0.3073,
0.4212

 0.4654, 0.0000,
1.0000

 141.4153, 0.3081,
0.4135

 0.0000, 0.0000,
0.0000

176.5651, 0.3088,

0.4069

217.1043, 0.3093,
0.4013

■ 22.1670, 0.2960,
0.4973

■ 22.1670, 0.2960,
0.4973

■ 21.6553, 0.2950,
0.5270

■ 22.8396, 0.2978,
0.4661

■ 21.2884, 0.2949,
0.5532

■ 23.6821, 0.3003,
0.4350

■ 21.0516, 0.2957,
0.5741

■ 24.7062, 0.3031,
0.4054

■ 20.9184, 0.2965,
0.5876

■ 25.9216, 0.3062,
0.3781

■ 27.3375, 0.3093,
0.3534

■ 28.9623, 0.3123,
0.3315

■ 30.8041, 0.3153,
0.3123

■ 32.8705, 0.3180,
0.2956

■ 35.1688, 0.3206,
0.2811

Harmonies

Analogous

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



22.1670, 0.3862, 0.5055



22.1670, 0.2960, 0.4973



22.1670, 0.2151, 0.4104

Triad

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



22.1670, 0.2960, 0.4973



22.1670, 0.1703, 0.1921



22.1670, 0.4842, 0.3203

Complementary

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



22.1670, 0.2960, 0.4973



10.8758, 0.3383, 0.2059

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.



22.1670, 0.4058, 0.2598



22.1670, 0.2960, 0.4973



22.1670, 0.2210, 0.1897

Square

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



22.1670, 0.2960, 0.4973



22.1670, 0.1518, 0.2264



22.1670, 0.3045, 0.2137



22.1670, 0.5030, 0.3871

Rectangle

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



22.1670, 0.2960, 0.4973



22.1670, 0.1778, 0.3356



22.1670, 0.3045, 0.2137



22.1670, 0.4636, 0.2991

Sweetspot

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



22.1679, 0.2960, 0.4973



47.1095, 0.3071, 0.3707



26.3153, 0.3826, 0.4758



10.6066, 0.3063, 0.3776



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.



22.1679, 0.2960, 0.4973



38.5371, 0.2948, 0.5360



22.9530, 0.2629, 0.3981



6.4803, 0.3099, 0.3487



18.1360, 0.2964, 0.5869



0.2244, 0.2822, 0.5358

Inverse Universe

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



10.8758, 0.3383, 0.2059



16.5341, 0.3450, 0.1885



9.8651, 0.4265, 0.2743



5.8960, 0.3156, 0.3100



6.7169, 0.3568, 0.1739



0.0852, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 22.1670, 0.2960, 0.4973 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 22.1670, 0.2960, 0.4973 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 22.1670, 0.2960, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 22.1670, 0.2960, 0.4973.



This preview shows how white text looks on a background with the Yxy color 22.1670, 0.2960, 0.4973.

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

22.1670, 0.2960, 0.4973

Protanopia

21.8102, 0.4015, 0.4399

Deuteranopia

21.8420, 0.4137, 0.4060



Tritanopia

21.9987, 0.2467, 0.3060

Trichromacy



Original Color

22.1670, 0.2960, 0.4973

Protanomaly

21.3695, 0.3550, 0.4651

Deuteranomaly

21.0485, 0.3624, 0.4400

Tritanomaly

21.7323, 0.2641, 0.3702

Monochromacy



Original Color

22.1670, 0.2960, 0.4973

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.4840, 0.3040, 0.3899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1670, 0.2960, 0.4973 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(57, 147, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 147, 69) }
```

Border

The CSS property to change the border of an element to Yxy 22.1670, 0.2960, 0.4973 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, 69) }
```

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

```
.border{ border-color:rgb(57, 147, 69) }
```

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, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 147, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 147, 69);  
box-shadow:4px 4px 4px 4px rgb(57, 147,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1670, 0.2960, 0.4973 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, 69) }
```

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

```
.background{ background-color: rgb(57, 147,  
69) }
```

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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