

Converting Colors

$Y_{xy}(21.9028, 0.2673, 0.4013)$

Have a look what the booklet for
Yxy(21.9028, 0.2673, 0.4013)
contains.

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Color

$\text{Yxy}(22.0330, 0.2668, 0.4012)$

Conversions

Conversions Part 1

Format	Color
Hex	3C906E
RGB	60, 144, 110
RGB Percent	24%, 56%, 43%
CMY	0.7646, 0.4353, 0.5686
CMYK	0.58, 0.00, 0.24, 0.44
HSL	156°, 41%, 40%
HSV	156°, 58%, 56%
XYZ	14.6521, 22.0330, 18.2327
YIQ	115.0080, -39.1500, -28.3820

Conversions

Conversions Part 2

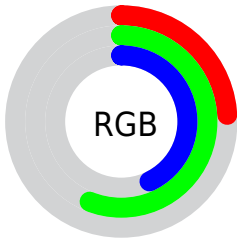
Format	Color
RYB	60, 113, 144
Decimal	3969134
CIELab	54.06, -33.90, 10.56
CIELCh	54, 35.502, 162.696
Yxy	22.0330, 0.2668, 0.4012
Android (android.graphics.Color)	4282159214 (0xFF3C906E)
YUV	115.0080, -2.4689, -48.2420
Hunter-Lab	46.9393, -26.4252, 9.8274

Details

The Yxy color **22.0330, 0.2668, 0.4012** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.9716, 0.4110, 0.2707**, and the grayscale version is **17.1654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6416, 0.2773, 0.3828**, and **8.1765, 0.2539, 0.4339** is the 20% darker color. If you saturate the color by 10%, you get **21.5218, 0.2629, 0.4163**, and if you desaturate by 10%, it is **22.6764, 0.2723, 0.3866**.

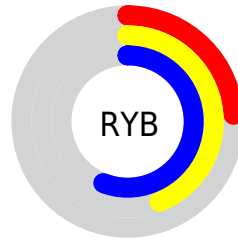
Distribution



Red (24%)

Green (56%)

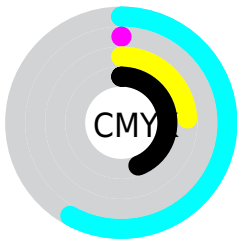
Blue (43%)



Red (24%)

Yellow (44%)

Blue (56%)

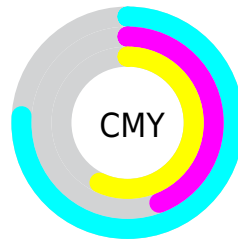


Cyan (58%)

Magenta (0%)

Yellow (24%)

Black (44%)



Cyan (76%)


Magenta (44%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0330, 0.2668, 0.4012 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 22.0330, 0.2668, 0.4012 by changing the saturation by 10% instead.


 22.0330, 0.2668,
0.4012


 22.0330, 0.2668,
0.4012


262.7186, 0.2933,
0.3590


 13.8811, 0.2586,
0.4145


 46.8005, 0.2775,
0.3840

 8.0380, 0.2469,
0.4338


 64.1850, 0.2812,
0.3782


 4.1193, 0.2289,
0.4640

 85.4158, 0.2842,
0.3734

 1.7405, 0.1947,
0.5196

 110.8773, 0.2866,
0.3695

 0.4497, 0.0000,
1.0000

 140.9540, 0.2887,
0.3662

 0.0000, 0.0000,
0.0000

176.0301, 0.2905,

0.3635

216.4902, 0.2920,
0.3611

■ 22.0330, 0.2668,
0.4012

■ 22.0330, 0.2668,
0.4012

■ 21.5218, 0.2629,
0.4163

■ 22.6764, 0.2723,
0.3866

■ 21.1298, 0.2608,
0.4317

■ 23.4585, 0.2792,
0.3728

■ 20.8460, 0.2607,
0.4471

■ 24.3885, 0.2871,
0.3599

■ 20.6453, 0.2621,
0.4621

■ 25.4741, 0.2957,
0.3480

■ 20.6139, 0.2624,
0.4647

■ 26.7224, 0.3049,
0.3372

■ 28.1401, 0.3143,
0.3274

■ 29.7334, 0.3238,
0.3187

■ 31.5083, 0.3332,
0.3110

■ 33.4705, 0.3424,
0.3042

Harmonies

Analogous

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



22.0330, 0.3270, 0.4414



22.0330, 0.2668, 0.4012



22.0330, 0.2218, 0.3363

Triad

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



22.0330, 0.2668, 0.4012



22.0330, 0.2361, 0.2301



22.0330, 0.4388, 0.3600

Complementary

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



22.0330, 0.2668, 0.4012



9.9716, 0.4110, 0.2707

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.



22.0330, 0.4104, 0.3118



22.0330, 0.2668, 0.4012



22.0330, 0.2880, 0.2407

Square

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



22.0330, 0.2668, 0.4012



22.0330, 0.2063, 0.2415



22.0330, 0.3527, 0.2697



22.0330, 0.4285, 0.4067

Rectangle

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



22.0330, 0.2668, 0.4012



22.0330, 0.2052, 0.2950



22.0330, 0.3527, 0.2697



22.0330, 0.4335, 0.3437

Sweetspot

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



22.0339, 0.2668, 0.4012



45.1309, 0.2966, 0.3469



22.7068, 0.3367, 0.4930



10.2665, 0.2950, 0.3489



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.



22.0339, 0.2668, 0.4012



37.7218, 0.2621, 0.4211



20.8669, 0.2390, 0.3148



6.0799, 0.3041, 0.3381



17.9555, 0.2622, 0.4639



0.1760, 0.2437, 0.3973

Inverse Universe

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



9.9716, 0.4110, 0.2707



14.3667, 0.4472, 0.2629



10.2723, 0.4759, 0.3412



5.4580, 0.3222, 0.3201



5.4364, 0.5297, 0.2691



0.0562, 0.4291, 0.2137

Previews

White Background



This preview shows how the Yxy color 22.0330, 0.2668, 0.4012 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 22.0330, 0.2668, 0.4012 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 22.0330, 0.2668, 0.4012

Background



This preview shows how black text looks on a background with the Yxy color 22.0330, 0.2668, 0.4012.



This preview shows how white text looks on a background with the Yxy color 22.0330, 0.2668, 0.4012.

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

22.0330, 0.2668, 0.4012

Protanopia

21.6319, 0.3520, 0.3757

Deuteranopia

21.7412, 0.3519, 0.3462



Tritanopia

22.0837, 0.2436, 0.3077

Trichromacy



Original Color

22.0330, 0.2668, 0.4012

Protanomaly

21.2583, 0.3134, 0.3860

Deuteranomaly

21.0697, 0.3134, 0.3635

Tritanomaly

22.0280, 0.2519, 0.3409

Monochromacy



Original Color

22.0330, 0.2668, 0.4012

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.5469, 0.2909, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0330, 0.2668, 0.4012 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(60, 144, 110)` looks like.

```
.text, #text, p{  
    color:rgb(60, 144, 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(60, 144, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 144, 110) }
```

Border

The CSS property to change the border of an element to Yxy 22.0330, 0.2668, 0.4012 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(60, 144, 110) }
```

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

```
.border{ border-color:rgb(60, 144, 110) }
```

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

Here you see how a box with a 4 pixel rgb(60, 144, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 144, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 144, 110);  
box-shadow:4px 4px 4px 4px rgb(60, 144,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0330, 0.2668, 0.4012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 144, 110) }
```

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

```
.background{ background-color: rgb(60, 144,  
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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