

Converting Colors

$Y_{xy}(21.9922, 0.2856, 0.4210)$

Have a look what the booklet for
Yxy(21.9922, 0.2856, 0.4210)
contains.

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Color

$\text{Yxy}(22.0016, 0.2856, 0.4218)$

Conversions

Conversions Part 1

Format	Color
Hex	4A8F63
RGB	74, 143, 99
RGB Percent	29%, 56%, 39%
CMY	0.7099, 0.4392, 0.6118
CMYK	0.48, 0.00, 0.31, 0.44
HSL	142°, 32%, 43%
HSV	142°, 48%, 56%
XYZ	14.8972, 22.0016, 15.2624
YIQ	117.3530, -27.0000, -28.3120

Conversions

Conversions Part 2

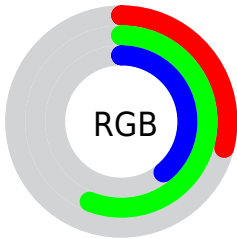
Format	Color
RYB	74, 125, 143
Decimal	4886371
CIELab	54.03, -32.26, 16.85
CIElCh	54, 36.398, 152.429
Yxy	22.0016, 0.2856, 0.4218
Android (android.graphics.Color)	4283076451 (0xFF4A8F63)
YUV	117.3530, -9.0480, -38.0206
Hunter-Lab	46.9059, -25.3939, 13.5421

Details

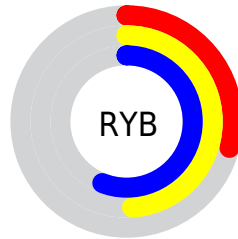
The Yxy color **22.0016, 0.2856, 0.4218** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.0440, 0.3577, 0.2527**, and the grayscale version is **17.9384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6465, 0.2927, 0.3989**, and **8.0308, 0.2718, 0.4648** is the 20% darker color. If you saturate the color by 10%, you get **21.3334, 0.2821, 0.4455**, and if you desaturate by 10%, it is **22.8203, 0.2902, 0.3993**.

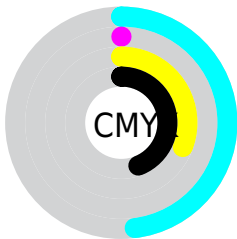
Distribution



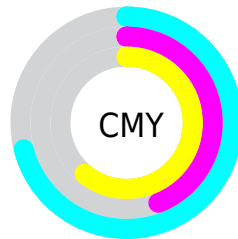
- Red (29%)
- Green (56%)
- Blue (39%)



- Red (29%)
- Yellow (49%)
- Blue (56%)



- Cyan (48%)
- Magenta (0%)
- Yellow (31%)
- Black (44%)




- Cyan (71%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0016, 0.2856, 0.4218 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 22.0016, 0.2856, 0.4218 by changing the saturation by 10% instead.


 22.0016, 0.2856,
0.4218


 22.0016, 0.2856,
0.4218


262.5546, 0.3022,
0.3670


 13.8581, 0.2800,
0.4393


 46.7486, 0.2926,
0.3994


 8.0220, 0.2716,
0.4647


 64.1209, 0.2949,
0.3918

 4.1090, 0.2578,
0.5048

 85.3383, 0.2967,
0.3856

 1.7347, 0.2345,
0.5908

 110.7851, 0.2982,
0.3806

 0.4460, 0.0000,
1.0000

 140.8457, 0.2994,
0.3764

 0.0000, 0.0000,
0.0000

175.9046, 0.3005,

0.3728

216.3461, 0.3014,
0.3697

■ 22.0016, 0.2856,
0.4218

■ 22.0016, 0.2856,
0.4218

■ 21.3334, 0.2821,
0.4455

■ 22.8203, 0.2902,
0.3993

■ 20.8035, 0.2799,
0.4696

■ 23.7956, 0.2956,
0.3783

■ 20.4022, 0.2793,
0.4934

■ 24.9361, 0.3015,
0.3591


■ 20.1171, 0.2804,
0.5160


■ 26.2495, 0.3076,
0.3419


■ 19.9232, 0.2829,
0.5365


■ 27.7426, 0.3138,
0.3265

 19.8927, 0.2833,
0.5399

 29.4220, 0.3199,
0.3128

 31.2939, 0.3259,
0.3009

 33.3644, 0.3316,
0.2904

 35.6390, 0.3370,
0.2812

Harmonies

Analogous

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



22.0016, 0.3489, 0.4486



22.0016, 0.2856, 0.4218



22.0016, 0.2328, 0.3600

Triad

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



22.0016, 0.2856, 0.4218



22.0016, 0.2212, 0.2292



22.0016, 0.4364, 0.3433

Complementary

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



22.0016, 0.2856, 0.4218



12.0440, 0.3577, 0.2527

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.



22.0016, 0.3950, 0.2954



22.0016, 0.2856, 0.4218



22.0016, 0.2670, 0.2328

Square

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



22.0016, 0.2856, 0.4218



22.0016, 0.1992, 0.2490



22.0016, 0.3305, 0.2564



22.0016, 0.4392, 0.3926

Rectangle

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



22.0016, 0.2856, 0.4218



22.0016, 0.2099, 0.3148



22.0016, 0.3305, 0.2564



22.0016, 0.4265, 0.3268

Sweetspot

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



22.0025, 0.2856, 0.4218



45.5483, 0.3039, 0.3520



24.0521, 0.3529, 0.4552



10.3426, 0.3027, 0.3555



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.



22.0025, 0.2856, 0.4218



38.0997, 0.2818, 0.4478



22.7858, 0.2585, 0.3494



6.0597, 0.3070, 0.3434



17.5912, 0.2830, 0.5390



0.1721, 0.2598, 0.4554

Inverse Universe

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



12.0440, 0.3577, 0.2527



18.0406, 0.3725, 0.2375



11.3813, 0.4203, 0.3108



5.4783, 0.3189, 0.3151



5.8384, 0.4351, 0.2171



0.0601, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 22.0016, 0.2856, 0.4218 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 22.0016, 0.2856, 0.4218 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 22.0016, 0.2856, 0.4218

Background



This preview shows how black text looks on a background with the Yxy color 22.0016, 0.2856, 0.4218.



This preview shows how white text looks on a background with the Yxy color 22.0016, 0.2856, 0.4218.

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

22.0016, 0.2856, 0.4218

Protanopia

21.6319, 0.3650, 0.3913

Deuteranopia

21.5348, 0.3698, 0.3632



Tritanopia

22.0079, 0.2537, 0.3080

Trichromacy



Original Color

22.0016, 0.2856, 0.4218

Protanomaly

21.2461, 0.3320, 0.4026

Deuteranomaly

21.0621, 0.3339, 0.3820

Tritanomaly

21.8708, 0.2654, 0.3468

Monochromacy



Original Color

22.0016, 0.2856, 0.4218

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8142, 0.3007, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0016, 0.2856, 0.4218 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(74, 143, 99)` looks like.

```
.text, #text, p{  
    color:rgb(74, 143, 99)  
}
```

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(74, 143, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 143, 99) }
```

Border

The CSS property to change the border of an element to Yxy 22.0016, 0.2856, 0.4218 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(74, 143, 99) }
```

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

```
.border{ border-color:rgb(74, 143, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 143, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 143, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 143, 99);  
box-shadow:4px 4px 4px 4px rgb(74, 143,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0016, 0.2856, 0.4218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 143, 99) }
```

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

```
.background{ background-color: rgb(74, 143,  
99) }
```

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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