

Converting Colors

$Y_{xy}(19.4674, 0.2971, 0.4299)$

Have a look what the booklet for
Yxy(19.4674, 0.2971, 0.4299)
contains.

Yxy(19.3326, 0.2970, 0.4302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.3326, 0.2970, 0.4302)

Conversions

Conversions Part 1

Format	Color
Hex	4D8658
RGB	77, 134, 88
RGB Percent	30%, 53%, 35%
CMY	0.6980, 0.4745, 0.6549
CMYK	0.43, 0.00, 0.34, 0.47
HSL	132°, 27%, 41%
HSV	132°, 43%, 53%
XYZ	13.3468, 19.3326, 12.2593
YIQ	111.7130, -19.2060, -26.3900

Conversions

Conversions Part 2

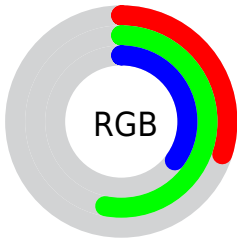
Format	Color
RYB	77, 125, 134
Decimal	5080664
CIELab	51.07, -29.23, 19.07
CIELCh	51, 34.898, 146.876
Yxy	19.3326, 0.2970, 0.4302
Android (android.graphics.Color)	4283270744 (0xFF4D8658)
YUV	111.7130, -11.6905, -30.4433
Hunter-Lab	43.9689, -22.7617, 14.2471

Details

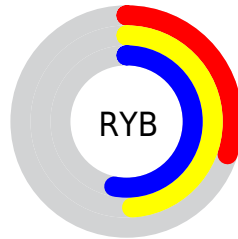
The Yxy color **19.3326, 0.2970, 0.4302** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.8064, 0.3343, 0.2458**, and the grayscale version is **16.1539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4685, 0.3021, 0.4057**, and **6.7274, 0.2863, 0.4799** is the 20% darker color. If you saturate the color by 10%, you get **18.6661, 0.2942, 0.4592**, and if you desaturate by 10%, it is **20.1421, 0.3004, 0.4027**.

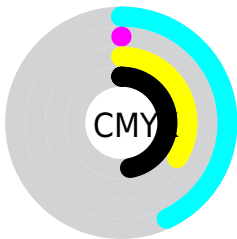
Distribution



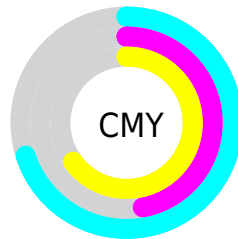
- Red (30%)
- Green (53%)
- Blue (35%)



- Red (30%)
- Yellow (49%)
- Blue (53%)



- Cyan (43%)
- Magenta (0%)
- Yellow (34%)
- Black (47%)




- Cyan (70%)
- Magenta (47%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3326, 0.2970, 0.4302 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 19.3326, 0.2970, 0.4302 by changing the saturation by 10% instead.


 19.3326, 0.2970,
0.4302


 19.3326, 0.2970,
0.4302


248.2788, 0.3076,
0.3694


 11.9109, 0.2928,
0.4503


 42.2954, 0.3018,
0.4049


 6.6830, 0.2861,
0.4799


 58.6052, 0.3032,
0.3965


 3.2647, 0.2737,
0.5278

 78.6465, 0.3044,
0.3897

 1.2714, 0.2619,
0.7371

 102.8036, 0.3053,
0.3841

 0.1189, 0.0000,
1.0000

 131.4610, 0.3060,
0.3795

 0.0000, 0.0000,
0.0000

165.0031, 0.3066,

0.3756

203.8142, 0.3071,
0.3723

■ 19.3326, 0.2970,
0.4302

■ 19.3326, 0.2970,
0.4302

■ 18.6661, 0.2942,
0.4592

■ 20.1421, 0.3004,
0.4027

■ 18.1320, 0.2922,
0.4885

■ 21.0999, 0.3041,
0.3773

■ 17.7219, 0.2912,
0.5169


■ 22.2137, 0.3079,
0.3543


■ 17.4255, 0.2914,
0.5427

■ 23.4902, 0.3118,
0.3338

■ 17.2307, 0.2928,
0.5644


■ 24.9356, 0.3155,
0.3158

 17.1251, 0.2938,
0.5776

 26.5558, 0.3191,
0.3000

 28.3564, 0.3225,
0.2862

 30.3426, 0.3257,
0.2742

 32.5197, 0.3286,
0.2639

Harmonies

Analogous

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



19.3326, 0.3605, 0.4488



19.3326, 0.2970, 0.4302



19.3326, 0.2410, 0.3728

Triad

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



19.3326, 0.2970, 0.4302



19.3326, 0.2151, 0.2309



19.3326, 0.4316, 0.3341

Complementary

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



19.3326, 0.2970, 0.4302



11.8064, 0.3343, 0.2458

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.



19.3326, 0.3842, 0.2873



19.3326, 0.2970, 0.4302



19.3326, 0.2568, 0.2304

Square

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



19.3326, 0.2970, 0.4302



19.3326, 0.1978, 0.2554



19.3326, 0.3180, 0.2506



19.3326, 0.4418, 0.3838

Rectangle

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



19.3326, 0.2970, 0.4302



19.3326, 0.2150, 0.3270



19.3326, 0.3180, 0.2506



19.3326, 0.4193, 0.3178

Sweetspot

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



19.3334, 0.2970, 0.4302



38.9800, 0.3076, 0.3559



21.8388, 0.3606, 0.4347



8.6926, 0.3069, 0.3602



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.3334, 0.2970, 0.4302



32.9303, 0.2943, 0.4579



19.8887, 0.2719, 0.3670



5.2184, 0.3092, 0.3470



16.0491, 0.2937, 0.5772



0.0564, 0.2756, 0.5120

Inverse Universe

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



11.8064, 0.3343, 0.2458



17.8334, 0.3407, 0.2284



11.2033, 0.3831, 0.2949



4.7478, 0.3164, 0.3116



5.7689, 0.3748, 0.1839



0.0210, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 19.3326, 0.2970, 0.4302 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 19.3326, 0.2970, 0.4302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

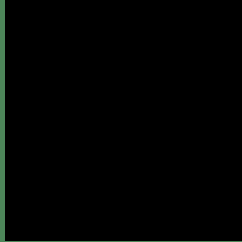
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.3326, 0.2970, 0.4302

Background



This preview shows how black text looks on a background with the Yxy color 19.3326, 0.2970, 0.4302.



This preview shows how white text looks on a background with the Yxy color 19.3326, 0.2970, 0.4302.

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

19.3326, 0.2970, 0.4302

Protanopia

19.1246, 0.3713, 0.3999

Deuteranopia

19.0143, 0.3782, 0.3719



Tritanopia

19.3480, 0.2609, 0.3091

Trichromacy



Original Color

19.3326, 0.2970, 0.4302

Protanomaly

18.9571, 0.3400, 0.4117

Deuteranomaly

18.7728, 0.3435, 0.3922

Tritanomaly

19.2061, 0.2737, 0.3497

Monochromacy



Original Color

19.3326, 0.2970, 0.4302

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0649, 0.3061, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3326, 0.2970, 0.4302 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(77, 134, 88)` looks like.

```
.text, #text, p{  
    color:rgb(77, 134, 88)  
}
```

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(77, 134, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 134, 88) }
```

Border

The CSS property to change the border of an element to Yxy 19.3326, 0.2970, 0.4302 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(77, 134, 88) }
```

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

```
.border{ border-color:rgb(77, 134, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 134, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 134, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 134, 88);  
box-shadow:4px 4px 4px 4px rgb(77, 134,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3326, 0.2970, 0.4302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 134, 88) }
```

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

```
.background{ background-color: rgb(77, 134,  
88) }
```

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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