

Converting Colors

$Y_{xy}(19.9887, 0.2664, 0.4045)$

Have a look what the booklet for
Yxy(19.9887, 0.2664, 0.4045)
contains.

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Color

$\text{Yxy}(19.9887, 0.2664, 0.4045)$

Conversions

Conversions Part 1

Format	Color
Hex	378A68
RGB	55, 138, 104
RGB Percent	22%, 54%, 41%
CMY	0.7842, 0.4588, 0.5921
CMYK	0.60, 0.00, 0.25, 0.46
HSL	155°, 43%, 38%
HSV	155°, 60%, 54%
XYZ	13.1644, 19.9887, 16.2627
YIQ	109.3070, -38.5540, -28.1700

Conversions

Conversions Part 2

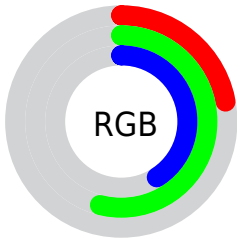
Format	Color
RYB	55, 107, 138
Decimal	3639912
CIELab	51.82, -33.65, 10.82
CIElCh	52, 35.348, 162.169
Yxy	19.9887, 0.2664, 0.4045
Android (android.graphics.Color)	4281829992 (0xFF378A68)
YUV	109.3070, -2.6164, -47.6272
Hunter-Lab	44.7087, -25.6814, 9.7294

Details

The Yxy color **19.9887, 0.2664, 0.4045** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8.8607, 0.4142, 0.2688**, and the grayscale version is **15.4035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3808, 0.2778, 0.3862**, and **7.1118, 0.2547, 0.4367** is the 20% darker color. If you saturate the color by 10%, you get **19.5414, 0.2628, 0.4198**, and if you desaturate by 10%, it is **20.5543, 0.2716, 0.3897**.

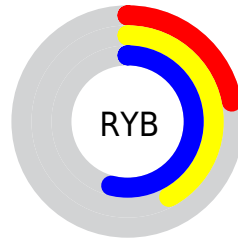
Distribution



Red (22%)

Green (54%)

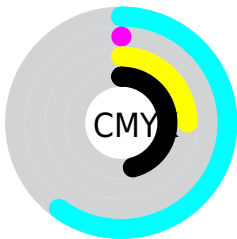
Blue (41%)



Red (22%)

Yellow (42%)

Blue (54%)

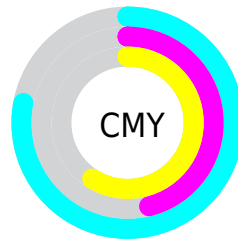


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (46%)



Cyan (78%)

Magenta (46%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9887, 0.2664, 0.4045 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 19.9887, 0.2664, 0.4045 by changing the saturation by 10% instead.

19.9887, 0.2664,
0.4045

19.9887, 0.2664,
0.4045

251.8539, 0.2936,
0.3597

12.3868, 0.2578,
0.4190

43.3982, 0.2775,
0.3860

7.0077, 0.2452,
0.4404

59.9747, 0.2813,
0.3798

3.4669, 0.2255,
0.4747

80.3115, 0.2843,
0.3748

1.3801, 0.1711,
0.5584

104.7930, 0.2868,
0.3707

0.2020, 0.0000,
1.0000

133.8036, 0.2889,
0.3673

0.0000, 0.0000,
0.0000

167.7277, 0.2907,

0.3643

206.9497, 0.2923,
0.3618

■ 19.9887, 0.2664,
0.4045

■ 19.9887, 0.2664,
0.4045

■ 19.5414, 0.2628,
0.4198

■ 20.5543, 0.2716,
0.3897

■ 19.2006, 0.2611,
0.4354

■ 21.2442, 0.2782,
0.3756

■ 18.9560, 0.2613,
0.4508

■ 22.0669, 0.2859,
0.3624

■ 18.7776, 0.2627,
0.4658

■ 23.0293, 0.2943,
0.3502

■ 24.1379, 0.3033,
0.3391

■ 25.3989, 0.3126,
0.3291

■ 26.8179, 0.3220,
0.3202

■ 28.4003, 0.3313,
0.3122

■ 30.1514, 0.3405,
0.3052

Harmonies

Analogous

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



19.9887, 0.3283, 0.4452



19.9887, 0.2664, 0.4045



19.9887, 0.2200, 0.3376

Triad

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



19.9887, 0.2664, 0.4045



19.9887, 0.2334, 0.2277



19.9887, 0.4421, 0.3596

Complementary

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



19.9887, 0.2664, 0.4045



8.8607, 0.4142, 0.2688

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.



19.9887, 0.4124, 0.3103



19.9887, 0.2664, 0.4045



19.9887, 0.2861, 0.2382

Square

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



19.9887, 0.2664, 0.4045



19.9887, 0.2033, 0.2396



19.9887, 0.3526, 0.2675



19.9887, 0.4321, 0.4076

Rectangle

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



19.9887, 0.2664, 0.4045



19.9887, 0.2027, 0.2949



19.9887, 0.3526, 0.2675



19.9887, 0.4366, 0.3429

Sweetspot

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



19.9895, 0.2664, 0.4045



40.9139, 0.2959, 0.3482



20.6067, 0.3369, 0.4975



9.0714, 0.2936, 0.3512



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.9895, 0.2664, 0.4045



34.2200, 0.2620, 0.4251



18.9037, 0.2377, 0.3143



5.6545, 0.3042, 0.3381



17.2197, 0.2626, 0.4653



0.1173, 0.2440, 0.3984

Inverse Universe

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



8.8607, 0.4142, 0.2688



12.7757, 0.4512, 0.2615



9.1191, 0.4826, 0.3414



5.0804, 0.3221, 0.3201



5.2235, 0.5273, 0.2678



0.0375, 0.4276, 0.2129

Previews

White Background



This preview shows how the Yxy color 19.9887, 0.2664, 0.4045 looks on a white background.

Color Contrast Check

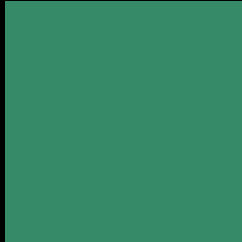
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9887, 0.2664, 0.4045 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 19.9887, 0.2664, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 19.9887, 0.2664, 0.4045.



This preview shows how white text looks on a background with the Yxy color 19.9887, 0.2664, 0.4045.

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

19.9887, 0.2664, 0.4045

Protanopia

19.8543, 0.3535, 0.3773

Deuteranopia

19.6150, 0.3538, 0.3470



Tritanopia

20.0176, 0.2423, 0.3068

Trichromacy



Original Color

19.9887, 0.2664, 0.4045

Protanomaly

19.2420, 0.3135, 0.3864

Deuteranomaly

18.9800, 0.3134, 0.3651

Tritanomaly

19.9697, 0.2509, 0.3414

Monochromacy



Original Color

19.9887, 0.2664, 0.4045

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.6183, 0.2900, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9887, 0.2664, 0.4045 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(55, 138, 104)` looks like.

```
.text, #text, p{  
    color:rgb(55, 138, 104)  
}
```

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(55, 138, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 138, 104) }
```

Border

The CSS property to change the border of an element to Yxy 19.9887, 0.2664, 0.4045 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(55, 138, 104) }
```

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

```
.border{ border-color:rgb(55, 138, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 138, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 138, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 138, 104);  
box-shadow:4px 4px 4px 4px rgb(55, 138,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9887, 0.2664, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 138, 104) }
```

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

```
.background{ background-color: rgb(55, 138,  
104) }
```

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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