

Converting Colors

$Yxy(16.0181, 0.2992, 0.3948)$

Have a look what the booklet for
Yxy(16.0181, 0.2992, 0.3948)
contains.

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Color

Yxy(15.9821, 0.2990, 0.3955)

Conversions

Conversions Part 1

Format	Color
Hex	52785B
RGB	82, 120, 91
RGB Percent	32%, 47%, 36%
CMY	0.6785, 0.5294, 0.6431
CMYK	0.32, 0.00, 0.24, 0.53
HSL	134°, 19%, 40%
HSV	134°, 32%, 47%
XYZ	12.0825, 15.9821, 12.3452
YIQ	105.3320, -13.3390, -17.0750

Conversions

Conversions Part 2

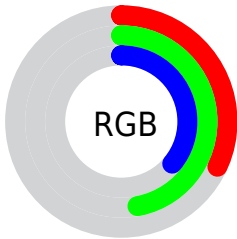
Format	Color
R _Y B	82, 113, 120
Decimal	5404763
CIE Lab	46.95, -19.93, 11.74
CIE LCh	47, 23.132, 149.513
Yxy	15.9821, 0.2990, 0.3955
Android (android.graphics.Color)	4283594843 (0xFF52785B)
YUV	105.3320, -7.0657, -20.4622
Hunter-Lab	39.9776, -16.0123, 9.6754

Details

The Yxy color **15.9821, 0.2990, 0.3955** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.1713, 0.3302, 0.2707**, and the grayscale version is **14.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4147, 0.3035, 0.3780**, and **5.0533, 0.2910, 0.4300** is the 20% darker color. If you saturate the color by 10%, you get **15.3428, 0.2952, 0.4210**, and if you desaturate by 10%, it is **16.7362, 0.3032, 0.3721**.

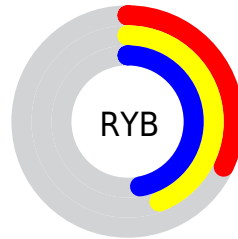
Distribution



Red (32%)

Green (47%)

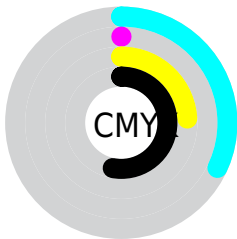
Blue (36%)



Red (32%)

Yellow (44%)

Blue (47%)

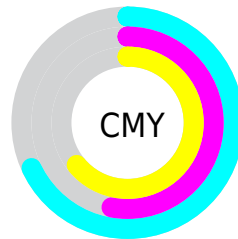


Cyan (32%)

Magenta (0%)

Yellow (24%)

Black (53%)



Cyan (68%)


Magenta (53%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9821, 0.2990, 0.3955 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 15.9821, 0.2990, 0.3955 by changing the saturation by 10% instead.


 15.9821, 0.2990,
0.3955


 15.9821, 0.2990,
0.3955


229.2361, 0.3078,
0.3550


 9.5115, 0.2957,
0.4093


 36.5671, 0.3028,
0.3784


 5.0763, 0.2906,
0.4303

 51.4503, 0.3041,
0.3728

 2.2921, 0.2812,
0.4656

 69.9065, 0.3050,
0.3683

 0.7695, 0.2373,
0.7459

 92.3201, 0.3058,
0.3647

 0.0000, 0.0000,
0.0000

 119.0754, 0.3064,
0.3617

150.5570, 0.3069,

0.3591

187.1490, 0.3074,
0.3569

■ 15.9821, 0.2990,
0.3955

■ 15.9821, 0.2990,
0.3955

■ 15.3428, 0.2952,
0.4210

■ 16.7362, 0.3032,
0.3721

■ 14.8105, 0.2920,
0.4479

■ 17.6081, 0.3076,
0.3509

■ 14.3800, 0.2896,
0.4757


■ 18.6035, 0.3120,
0.3320


■ 14.0444, 0.2884,
0.5030


■ 19.7270, 0.3163,
0.3153


■ 13.7964, 0.2884,
0.5287

■ 20.9828, 0.3205,
0.3006


 13.6271, 0.2897,
0.5513

 22.3753, 0.3244,
0.2878

 13.5210, 0.2910,
0.5675

 23.9082, 0.3281,
0.2766

 25.5856, 0.3316,
0.2669

 27.4109, 0.3349,
0.2584

Harmonies

Analogous

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



15.9821, 0.3447, 0.4125



15.9821, 0.2990, 0.3955



15.9821, 0.2589, 0.3558

Triad

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



15.9821, 0.2990, 0.3955



15.9821, 0.2437, 0.2569



15.9821, 0.3982, 0.3380

Complementary

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



15.9821, 0.2990, 0.3955



11.1713, 0.3302, 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.



15.9821, 0.3671, 0.3021



15.9821, 0.2990, 0.3955



15.9821, 0.2765, 0.2571

Square

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



15.9821, 0.2990, 0.3955



15.9821, 0.2288, 0.2749



15.9821, 0.3215, 0.2734



15.9821, 0.4040, 0.3743

Rectangle

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



15.9821, 0.2990, 0.3955



15.9821, 0.2402, 0.3249



15.9821, 0.3215, 0.2734



15.9821, 0.3903, 0.3256

Sweetspot

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



15.9828, 0.2990, 0.3955



31.2053, 0.3082, 0.3480



17.4318, 0.3460, 0.4072



7.3506, 0.3077, 0.3503



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.9828, 0.2990, 0.3955



27.2730, 0.2962, 0.4137



16.3503, 0.2794, 0.3513



4.4641, 0.3087, 0.3457



14.7466, 0.2911, 0.5681



70.2292, 0.2933, 0.5760

Inverse Universe

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



11.1713, 0.3302, 0.2707



17.4082, 0.3354, 0.2573



10.7987, 0.3622, 0.3080



4.0620, 0.3170, 0.3128



5.1878, 0.3891, 0.1917



24.6090, 0.3934, 0.1941

Previews

White Background



This preview shows how the Yxy color 15.9821, 0.2990, 0.3955 looks on a white 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

Black Background



This preview shows how the Yxy color 15.9821, 0.2990, 0.3955 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

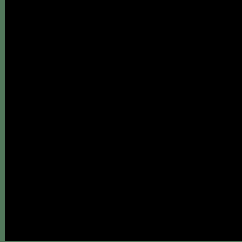
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9821, 0.2990, 0.3955

Background



This preview shows how black text looks on a background with the Yxy color 15.9821, 0.2990, 0.3955.



This preview shows how white text looks on a background with the Yxy color 15.9821, 0.2990, 0.3955.

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

15.9821, 0.2990, 0.3955

Protanopia

15.9086, 0.3534, 0.3780

Deuteranopia

15.9127, 0.3603, 0.3544



Tritanopia

16.0953, 0.2709, 0.3099

Trichromacy



Original Color

15.9821, 0.2990, 0.3955

Protanomaly

15.7425, 0.3326, 0.3849

Deuteranomaly

15.7582, 0.3353, 0.3688

Tritanomaly

15.8933, 0.2800, 0.3377

Monochromacy



Original Color

15.9821, 0.2990, 0.3955

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6133, 0.3077, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9821, 0.2990, 0.3955 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(82, 120, 91)` looks like.

```
.text, #text, p{  
    color:rgb(82, 120, 91)  
}
```

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(82, 120, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 120, 91) }
```

Border

The CSS property to change the border of an element to Yxy 15.9821, 0.2990, 0.3955 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(82, 120, 91) }
```

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

```
.border{ border-color:rgb(82, 120, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 120, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 120, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 120, 91);  
box-shadow:4px 4px 4px 4px rgb(82, 120,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9821, 0.2990, 0.3955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 120, 91) }
```

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

```
.background{ background-color: rgb(82, 120,  
91) }
```

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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