

Converting Colors

$Y_{xy}(19.5182, 0.3280, 0.4731)$

Have a look what the booklet for
Yxy(19.5182, 0.3280, 0.4731)
contains.

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Color

Yxy(19.5182, 0.3280, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	588642
RGB	88, 134, 66
RGB Percent	35%, 53%, 26%
CMY	0.6549, 0.4745, 0.7412
CMYK	0.34, 0.00, 0.51, 0.47
HSL	101°, 34%, 39%
HSV	101°, 51%, 53%
XYZ	13.5320, 19.5182, 8.2058
YIQ	112.4940, -5.5880, -30.9000

Conversions

Conversions Part 2

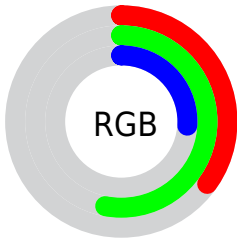
Format	Color
RYB	66, 134, 112
Decimal	5801538
CIELab	51.29, -28.95, 31.53
CIELCh	51, 42.810, 132.556
Yxy	19.5182, 0.3280, 0.4731
Android (android.graphics.Color)	4283991618 (0xFF588642)
YUV	112.4940, -22.9215, -21.4812
Hunter-Lab	44.1794, -22.6402, 19.9132

Details

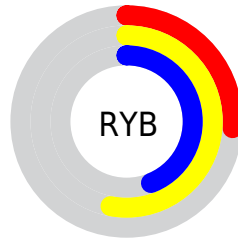
The Yxy color **19.5182, 0.3280, 0.4731** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.0606, 0.2835, 0.1986**, and the grayscale version is **16.4256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8028, 0.3265, 0.4374**, and **6.7997, 0.3244, 0.5397** is the 20% darker color. If you saturate the color by 10%, you get **18.9639, 0.3286, 0.5035**, and if you desaturate by 10%, it is **20.1662, 0.3262, 0.4419**.

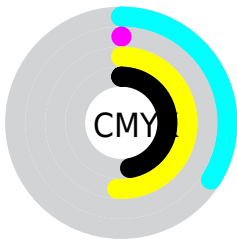
Distribution



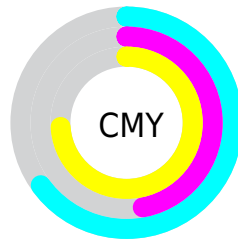
- Red (35%)
- Green (53%)
- Blue (26%)



- Red (26%)
- Yellow (53%)
- Blue (44%)



- Cyan (34%)
- Magenta (0%)
- Yellow (51%)
- Black (47%)





- Cyan (65%)
- Magenta (47%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5182, 0.3280, 0.4731 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 19.5182, 0.3280, 0.4731 by changing the saturation by 10% instead.


 19.5182, 0.3280,
0.4731


 19.5182, 0.3280,
0.4731


249.2948, 0.3225,
0.3868


 12.0453, 0.3274,
0.5007


 42.6079, 0.3271,
0.4376


 6.7745, 0.3242,
0.5402


 58.9935, 0.3264,
0.4256


 3.3215, 0.3208,
0.6125

 79.1189, 0.3256,
0.4159

 1.3018, 0.2698,
0.7302

 103.3683, 0.3249,
0.4080

 0.1426, 0.0000,
1.0000

 132.1262, 0.3242,
0.4014

 0.0000, 0.0000,
0.0000

165.7770, 0.3236,

0.3958

204.7050, 0.3230,
0.3910

■ 19.5182, 0.3280,
0.4731

■ 19.5182, 0.3280,
0.4731

■ 18.9639, 0.3286,
0.5035

■ 20.1662, 0.3262,
0.4419

■ 18.4962, 0.3278,
0.5313

■ 20.9097, 0.3236,
0.4113

■ 18.1108, 0.3255,
0.5550

■ 21.7536, 0.3204,
0.3822

■ 17.8020, 0.3218,
0.5730

■ 22.7015, 0.3168,
0.3553

■ 17.5729, 0.3179,
0.5858

■ 23.7570, 0.3130,
0.3308

■ 24.9236, 0.3092,
0.3087

■ 26.2043, 0.3055,
0.2890

■ 27.6024, 0.3019,
0.2716

■ 29.1208, 0.2986,
0.2562

Harmonies

Analogous

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



19.5182, 0.4014, 0.4658



19.5182, 0.3280, 0.4731



19.5182, 0.2545, 0.4222

Triad

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



19.5182, 0.3280, 0.4731



19.5182, 0.1835, 0.2212



19.5182, 0.4352, 0.3058

Complementary

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



19.5182, 0.3280, 0.4731



9.0606, 0.2835, 0.1986

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.



19.5182, 0.3616, 0.2562



19.5182, 0.3280, 0.4731



19.5182, 0.2184, 0.2090

Square

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



19.5182, 0.3280, 0.4731



19.5182, 0.1772, 0.2633



19.5182, 0.2807, 0.2220



19.5182, 0.4701, 0.3629

Rectangle

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



19.5182, 0.3280, 0.4731



19.5182, 0.2155, 0.3660



19.5182, 0.2807, 0.2220



19.5182, 0.4136, 0.2880

Sweetspot

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



19.5190, 0.3280, 0.4731



39.2081, 0.3184, 0.3673



16.9033, 0.4035, 0.4125



8.7664, 0.3191, 0.3722



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.



19.5190, 0.3280, 0.4731



33.2695, 0.3286, 0.5081



18.7497, 0.2962, 0.4581



5.2725, 0.3162, 0.3511



16.4724, 0.3181, 0.5856



0.0607, 0.3506, 0.5598

Inverse Universe

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



9.0606, 0.2835, 0.1986



12.6261, 0.2742, 0.1705



10.3852, 0.3367, 0.2280



4.6893, 0.3090, 0.3073



3.6865, 0.2429, 0.1112



0.0167, 0.2803, 0.1318

Previews

White Background



This preview shows how the Yxy color 19.5182, 0.3280, 0.4731 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 19.5182, 0.3280, 0.4731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

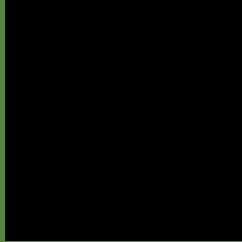
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5182, 0.3280, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 19.5182, 0.3280, 0.4731.



This preview shows how white text looks on a background with the Yxy color 19.5182, 0.3280, 0.4731.

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

19.5182, 0.3280, 0.4731

Protanopia

19.3352, 0.3982, 0.4359

Deuteranopia

19.2416, 0.4127, 0.4053



Tritanopia

19.3519, 0.2727, 0.3095

Trichromacy



Original Color

19.5182, 0.3280, 0.4731

Protanomaly

19.0625, 0.3709, 0.4505

Deuteranomaly

19.0312, 0.3791, 0.4304

Tritanomaly

19.2811, 0.2931, 0.3661

Monochromacy



Original Color

19.5182, 0.3280, 0.4731

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.1427, 0.3202, 0.3818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5182, 0.3280, 0.4731 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(88, 134, 66)` looks like.

```
.text, #text, p{  
    color:rgb(88, 134, 66)  
}
```

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(88, 134, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 134, 66) }
```

Border

The CSS property to change the border of an element to Yxy 19.5182, 0.3280, 0.4731 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(88, 134, 66) }
```

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

```
.border{ border-color:rgb(88, 134, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 134, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 134, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 134, 66);  
box-shadow:4px 4px 4px 4px rgb(88, 134,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5182, 0.3280, 0.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 134, 66) }
```

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

```
.background{ background-color: rgb(88, 134,  
66) }
```

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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