

Converting Colors

$Y_{xy}(19.5862, 0.3155, 0.4666)$

Have a look what the booklet for
Yxy(19.5862, 0.3155, 0.4666)
contains.

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Color

Yxy(19.5452, 0.3151, 0.4656)

Conversions

Conversions Part 1

Format	Color
Hex	518748
RGB	81, 135, 72
RGB Percent	32%, 53%, 28%
CMY	0.6823, 0.4706, 0.7177
CMYK	0.40, 0.00, 0.47, 0.47
HSL	111°, 30%, 41%
HSV	111°, 47%, 53%
XYZ	13.2274, 19.5452, 9.2059
YIQ	111.6720, -11.9610, -31.0410

Conversions

Conversions Part 2

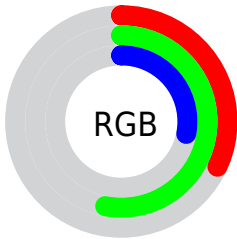
Format	Color
RYB	72, 135, 126
Decimal	5343048
CIELab	51.32, -31.06, 28.29
CIElCh	51, 42.010, 137.675
Yxy	19.5452, 0.3151, 0.4656
Android (android.graphics.Color)	4283533128 (0xFF518748)
YUV	111.6720, -19.5583, -26.8993
Hunter-Lab	44.2100, -23.9610, 18.6009

Details

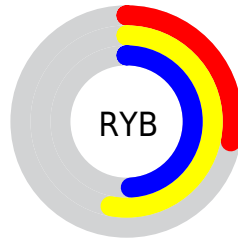
The Yxy color **19.5452, 0.3151, 0.4656** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.8191, 0.3039, 0.2150**, and the grayscale version is **16.1639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7869, 0.3164, 0.4314**, and **6.8476, 0.3076, 0.5305** is the 20% darker color. If you saturate the color by 10%, you get **18.9204, 0.3143, 0.4987**, and if you desaturate by 10%, it is **20.2975, 0.3153, 0.4325**.

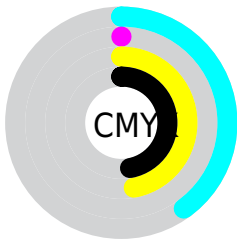
Distribution



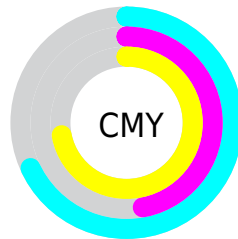
- Red (32%)
- Green (53%)
- Blue (28%)



- Red (28%)
- Yellow (53%)
- Blue (49%)



- Cyan (40%)
- Magenta (0%)
- Yellow (47%)
- Black (47%)




- Cyan (68%)
- Magenta (47%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5452, 0.3151, 0.4656 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 19.5452, 0.3151, 0.4656 by changing the saturation by 10% instead.


 19.5452, 0.3151,
0.4656


 19.5452, 0.3151,
0.4656


249.4423, 0.3166,
0.3834


 12.0649, 0.3127,
0.4923


 42.6534, 0.3168,
0.4315

 6.7879, 0.3076,
0.5312


 59.0500, 0.3170,
0.4201

 3.3298, 0.2977,
0.5962

 79.1875, 0.3171,
0.4109

 1.3062, 0.2489,
0.7511

 103.4503, 0.3170,
0.4034

 0.1460, 0.0000,
1.0000

 132.2228, 0.3170,
0.3972

 0.0000, 0.0000,
0.0000

165.8893, 0.3168,

0.3919

204.8344, 0.3167,
0.3873

■ 19.5452, 0.3151,
0.4656

■ 19.5452, 0.3151,
0.4656

■ 18.9204, 0.3143,
0.4987

■ 20.2975, 0.3153,
0.4325

■ 18.4135, 0.3129,
0.5299

■ 21.1812, 0.3150,
0.4009

■ 18.0179, 0.3109,
0.5569


■ 22.2032, 0.3143,
0.3716


■ 17.7247, 0.3083,
0.5778


■ 23.3689, 0.3134,
0.3451

■ 17.5224, 0.3056,
0.5919

■ 24.6839, 0.3124,
0.3215

 17.4700, 0.3050,
0.5960

 26.1530, 0.3112,
0.3007

 27.7811, 0.3101,
0.2825

 29.5728, 0.3089,
0.2666

 31.5324, 0.3078,
0.2528

Harmonies

Analogous

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



19.5452, 0.3887, 0.4680



19.5452, 0.3151, 0.4656



19.5452, 0.2448, 0.4070

Triad

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



19.5452, 0.3151, 0.4656



19.5452, 0.1895, 0.2190



19.5452, 0.4420, 0.3156

Complementary

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



19.5452, 0.3151, 0.4656



10.8191, 0.3039, 0.2150

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.



19.5452, 0.3745, 0.2649



19.5452, 0.3151, 0.4656



19.5452, 0.2286, 0.2114

Square

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



19.5452, 0.3151, 0.4656



19.5452, 0.1784, 0.2553



19.5452, 0.2941, 0.2281



19.5452, 0.4681, 0.3726

Rectangle

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



19.5452, 0.3151, 0.4656



19.5452, 0.2094, 0.3507



19.5452, 0.2941, 0.2281



19.5452, 0.4230, 0.2977

Sweetspot

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



19.5460, 0.3151, 0.4656



40.2284, 0.3141, 0.3651



20.4262, 0.3861, 0.4248



9.2285, 0.3143, 0.3703



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.



19.5460, 0.3151, 0.4656



33.8228, 0.3143, 0.5006



19.5152, 0.2871, 0.4193



5.2344, 0.3136, 0.3513



16.1130, 0.3051, 0.5959



0.0577, 0.3244, 0.5806

Inverse Universe

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



10.8191, 0.3039, 0.2150



16.1659, 0.3009, 0.1916



10.9768, 0.3540, 0.2542



4.7300, 0.3116, 0.3074



5.0221, 0.2861, 0.1350



0.0197, 0.3042, 0.1449

Previews

White Background



This preview shows how the Yxy color 19.5452, 0.3151, 0.4656 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 19.5452, 0.3151, 0.4656 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 19.5452, 0.3151, 0.4656

Background



This preview shows how black text looks on a background with the Yxy color 19.5452, 0.3151, 0.4656.



This preview shows how white text looks on a background with the Yxy color 19.5452, 0.3151, 0.4656.

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

19.5452, 0.3151, 0.4656

Protanopia

19.3926, 0.3929, 0.4280

Deuteranopia

19.2296, 0.4041, 0.3961



Tritanopia

19.6005, 0.2655, 0.3093

Trichromacy



Original Color

19.5452, 0.3151, 0.4656

Protanomaly

19.2533, 0.3617, 0.4426

Deuteranomaly

18.8849, 0.3685, 0.4212

Tritanomaly

19.5714, 0.2842, 0.3642

Monochromacy



Original Color

19.5452, 0.3151, 0.4656

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0627, 0.3154, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5452, 0.3151, 0.4656 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(81, 135, 72)` looks like.

```
.text, #text, p{  
    color:rgb(81, 135, 72)  
}
```

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(81, 135, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 135, 72) }
```

Border

The CSS property to change the border of an element to Yxy 19.5452, 0.3151, 0.4656 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(81, 135, 72) }
```

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

```
.border{ border-color:rgb(81, 135, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 135, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 135, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 135, 72);  
box-shadow:4px 4px 4px 4px rgb(81, 135,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5452, 0.3151, 0.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 135, 72) }
```

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

```
.background{ background-color: rgb(81, 135,  
72) }
```

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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