

Converting Colors

$Y_{xy}(19.3141, 0.2562, 0.3968)$

Have a look what the booklet for
Yxy(19.3141, 0.2562, 0.3968)
contains.

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Color

$Y_{xy}(19.4451, 0.2562, 0.3968)$

Conversions

Conversions Part 1

Format	Color
Hex	2A896B
RGB	42, 137, 107
RGB Percent	16%, 54%, 42%
CMY	0.8353, 0.4627, 0.5803
CMYK	0.69, 0.00, 0.22, 0.46
HSL	161°, 53%, 35%
HSV	161°, 69%, 54%
XYZ	12.5550, 19.4451, 17.0047
YIQ	105.1750, -46.9900, -29.4700

Conversions

Conversions Part 2

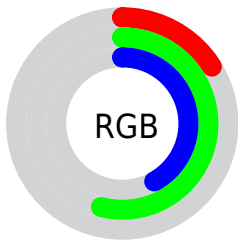
Format	Color
RYB	42, 98, 137
Decimal	2787691
CIELab	51.20, -35.03, 8.16
CIELCh	51, 35.969, 166.880
Yxy	19.4451, 0.2562, 0.3968
Android (android.graphics.Color)	4280977771 (0xFF2A896B)
YUV	105.1750, 0.8997, -55.4045
Hunter-Lab	44.0966, -26.3472, 8.0040

Details

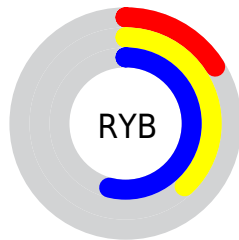
The Yxy color **19.4451, 0.2562, 0.3968** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.4429, 0.4616, 0.2790**, and the grayscale version is **14.1848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4396, 0.2697, 0.3808**, and **6.9818, 0.2507, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **19.1159, 0.2536, 0.4085**, and if you desaturate by 10%, it is **19.8792, 0.2607, 0.3853**.

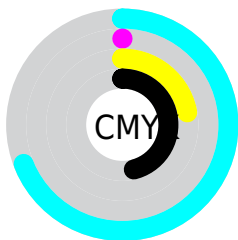
Distribution



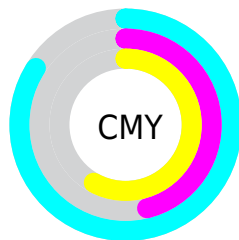
- Red (16%)
- Green (54%)
- Blue (42%)



- Red (16%)
- Yellow (38%)
- Blue (54%)



- Cyan (69%)
- Magenta (0%)
- Yellow (22%)
- Black (46%)



- Cyan (84%)
- Magenta (46%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4451, 0.2562, 0.3968 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 19.4451, 0.2562, 0.3968 by changing the saturation by 10% instead.


 19.4451, 0.2562,
0.3968


 19.4451, 0.2562,
0.3968


248.8951, 0.2891,
0.3566


 11.9923, 0.2459,
0.4098


 42.4849, 0.2695,
0.3803


 6.7385, 0.2312,
0.4288


 58.8407, 0.2741,
0.3747


 3.2991, 0.2084,
0.4592

 78.9329, 0.2778,
0.3702

 1.2898, 0.1353,
0.5389

 103.1461, 0.2808,
0.3665

 0.1333, 0.0000,
1.0000

 131.8644, 0.2834,
0.3635

 0.0000, 0.0000,
0.0000

 165.4725, 0.2856,

0.3608

204.3545, 0.2874,
0.3586

■ 19.4451, 0.2562,
0.3968

■ 19.4451, 0.2562,
0.3968

■ 19.1159, 0.2536,
0.4085

■ 19.8792, 0.2607,
0.3853

■ 18.8786, 0.2528,
0.4202

■ 20.4250, 0.2668,
0.3742

■ 18.7063, 0.2535,
0.4319

■ 21.0914, 0.2743,
0.3636

■ 18.6953, 0.2535,
0.4326

■ 21.8857, 0.2831,
0.3537

■ 22.8148, 0.2926,
0.3445

■ 23.8848, 0.3028,
0.3361

■ 25.1017, 0.3134,
0.3285

■ 26.4709, 0.3242,
0.3217

■ 27.9977, 0.3349,
0.3156

Harmonies

Analogous

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



19.4451, 0.3181, 0.4450



19.4451, 0.2562, 0.3968



19.4451, 0.2125, 0.3267

Triad

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



19.4451, 0.2562, 0.3968



19.4451, 0.2384, 0.2256



19.4451, 0.4466, 0.3680

Complementary

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



19.4451, 0.2562, 0.3968



7.4429, 0.4616, 0.2790

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.



19.4451, 0.4224, 0.3173



19.4451, 0.2562, 0.3968



19.4451, 0.2955, 0.2397

Square

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



19.4451, 0.2562, 0.3968



19.4451, 0.2039, 0.2338



19.4451, 0.3643, 0.2722



19.4451, 0.4300, 0.4162

Rectangle

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



19.4451, 0.2562, 0.3968



19.4451, 0.1977, 0.2847



19.4451, 0.3643, 0.2722



19.4451, 0.4432, 0.3510

Sweetspot

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



19.4459, 0.2562, 0.3968



40.4819, 0.2905, 0.3464



19.4400, 0.3273, 0.5284



8.9899, 0.2883, 0.3486



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.



19.4459, 0.2562, 0.3968



33.9799, 0.2529, 0.4149



15.6322, 0.2255, 0.2905



5.6622, 0.3030, 0.3360



17.4166, 0.2534, 0.4323



0.1184, 0.2387, 0.3794

Inverse Universe

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



7.4429, 0.4616, 0.2790



11.0078, 0.5151, 0.2794



8.6575, 0.5093, 0.3579



5.0729, 0.3234, 0.3221



5.1202, 0.5638, 0.2879



0.0364, 0.4583, 0.2298

Previews

White Background



This preview shows how the Yxy color 19.4451, 0.2562, 0.3968 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 19.4451, 0.2562, 0.3968 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 19.4451, 0.2562, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 19.4451, 0.2562, 0.3968.



This preview shows how white text looks on a background with the Yxy color 19.4451, 0.2562, 0.3968.

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

19.4451, 0.2562, 0.3968

Protanopia

19.1648, 0.3479, 0.3706

Deuteranopia

19.1886, 0.3463, 0.3399



Tritanopia

19.3852, 0.2363, 0.3063

Trichromacy



Original Color

19.4451, 0.2562, 0.3968

Protanomaly

18.6794, 0.3045, 0.3813

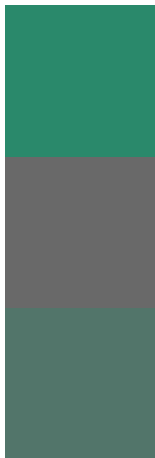
Deuteranomaly

18.3659, 0.3019, 0.3577

Tritanomaly

19.3920, 0.2430, 0.3373

Monochromacy



Original Color

19.4451, 0.2562, 0.3968

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.5570, 0.2829, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4451, 0.2562, 0.3968 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(42, 137, 107)` looks like.

```
.text, #text, p{  
  color:rgb(42, 137, 107)  
}
```

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(42, 137, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 137, 107) }
```

Border

The CSS property to change the border of an element to Yxy 19.4451, 0.2562, 0.3968 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(42, 137, 107) }
```

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

```
.border{ border-color:rgb(42, 137, 107) }
```

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

Here you see how a box with a 4 pixel rgb(42, 137, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 137, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 137, 107);  
box-shadow:4px 4px 4px 4px rgb(42, 137,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4451, 0.2562, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 137, 107) }
```

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

```
.background{ background-color: rgb(42, 137,  
107) }
```

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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