

Converting Colors

$Yxy(18.3613, 0.2333, 0.4511)$

Have a look what the booklet for
Yxy(18.3613, 0.2333, 0.4511)
contains.

Yxy(19.2206, 0.2565, 0.4432)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.2206, 0.2565, 0.4432)

Conversions

Conversions Part 1

Format	Color
Hex	008B5B
RGB	0, 139, 91
RGB Percent	0%, 55%, 36%
CMY	0.9989, 0.4549, 0.6431
CMYK	1.00, 0.00, 0.35, 0.45
HSL	159°, 100%, 27%
HSV	159°, 100%, 55%
XYZ	11.1238, 19.2206, 13.0233
YIQ	91.9670, -67.4360, -44.3960

Conversions

Conversions Part 2

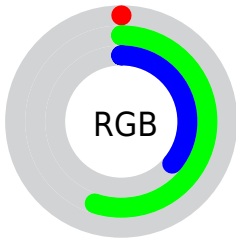
Format	Color
RYB	0, 84, 139
Decimal	35675
CIELab	50.94, -43.98, 16.88
CIELCh	51, 47.108, 159.003
Yxy	19.2206, 0.2565, 0.4432
Android (android.graphics.Color)	4278225755 (0xFF008B5B)
YUV	91.9670, -0.4767, -80.6551
Hunter-Lab	43.8413, -31.4316, 13.0764

Details

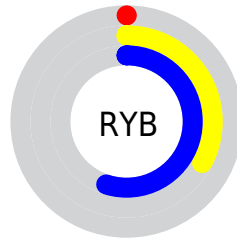
The Yxy color **19.2206, 0.2565, 0.4432** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **5.7103, 0.5529, 0.2822**, and the grayscale version is **10.7274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3005, 0.2709, 0.4156**, and **7.1689, 0.2680, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **19.2179, 0.2565, 0.4435**, and if you desaturate by 10%, it is **19.4000, 0.2555, 0.4304**.

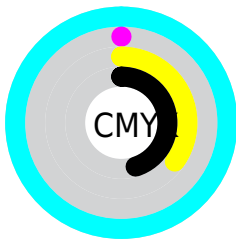
Distribution



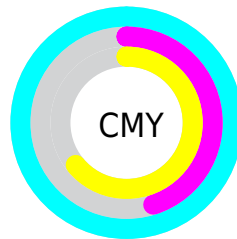
- Red (0%)
- Green (55%)
- Blue (36%)



- Red (0%)
- Yellow (33%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (45%)




- Cyan (100%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.2206, 0.2565, 0.4432 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 19.2206, 0.2565, 0.4432 by changing the saturation by 10% instead.


 19.2206, 0.2565,
0.4432


 19.2206, 0.2565,
0.4432


247.6639, 0.2905,
0.3739


 11.8298, 0.2452,
0.4664


 42.1065, 0.2707,
0.4142

 6.6279, 0.2283,
0.5011


 58.3704, 0.2754,
0.4045

 3.2305, 0.2011,
0.5578

 78.3608, 0.2792,
0.3968

 1.2532, 0.0530,
0.8524

 102.4621, 0.2823,
0.3906

 0.1045, 0.0000,
1.0000

 131.0587, 0.2849,
0.3853

 0.0000, 0.0000,
0.0000

 164.5349, 0.2870,

0.3809

203.2752, 0.2889,
0.3772

■ 19.2206, 0.2565,
0.4432

■ 19.2206, 0.2565,
0.4432

■ 19.2179, 0.2565,
0.4435

■ 19.4000, 0.2555,
0.4304

■ 19.6443, 0.2559,
0.4174

■ 19.9848, 0.2582,
0.4045

■ 20.4324, 0.2623,
0.3917

■ 20.9969, 0.2681,
0.3794

■ 21.6868, 0.2754,
0.3677

■ 22.5095, 0.2837,
0.3567

■ 23.4723, 0.2929,
0.3465

■ 24.5817, 0.3028,
0.3372

Harmonies

Analogous

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



19.2206, 0.3377, 0.4918



19.2206, 0.2565, 0.4432



19.2206, 0.1953, 0.3482

Triad

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



19.2206, 0.2565, 0.4432



19.2206, 0.2037, 0.1987



19.2206, 0.4845, 0.3563

Complementary

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



19.2206, 0.2565, 0.4432



5.7103, 0.5529, 0.2822

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.



19.2206, 0.4401, 0.2957



19.2206, 0.2565, 0.4432



19.2206, 0.2676, 0.2100

Square

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



19.2206, 0.2565, 0.4432



19.2206, 0.1702, 0.2145



19.2206, 0.3553, 0.2442



19.2206, 0.4725, 0.4192

Rectangle

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



19.2206, 0.2565, 0.4432



19.2206, 0.1725, 0.2882



19.2206, 0.3553, 0.2442



19.2206, 0.4759, 0.3355

Sweetspot

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



19.2214, 0.2565, 0.4432



40.1777, 0.2830, 0.3576



19.1134, 0.3204, 0.5836



9.1266, 0.2798, 0.3616



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



19.2214, 0.2565, 0.4432



34.3861, 0.2573, 0.4461



14.8671, 0.2117, 0.2819



5.6597, 0.3034, 0.3367



17.3494, 0.2564, 0.4429



0.1180, 0.2404, 0.3853

Inverse Universe

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



5.7103, 0.5529, 0.2822



10.1846, 0.5589, 0.2853



6.0288, 0.6224, 0.3437



5.0753, 0.3230, 0.3215



5.1503, 0.5524, 0.2817



0.0368, 0.4477, 0.2240

Previews

White Background



This preview shows how the Yxy color 19.2206, 0.2565, 0.4432 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 19.2206, 0.2565, 0.4432 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 19.2206, 0.2565, 0.4432

Background



This preview shows how black text looks on a background with the Yxy color 19.2206, 0.2565, 0.4432.



This preview shows how white text looks on a background with the Yxy color 19.2206, 0.2565, 0.4432.

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

19.2206, 0.2565, 0.4432

Protanopia

19.1246, 0.3713, 0.3999

Deuteranopia

18.9980, 0.3716, 0.3650



Tritanopia

19.4112, 0.2320, 0.3082

Trichromacy



Original Color

19.2206, 0.2565, 0.4432



Protanomaly

17.9492, 0.3051, 0.4223



Deuteranomaly

17.3971, 0.3050, 0.3947



Tritanomaly

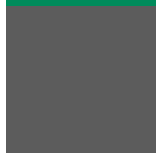
19.0745, 0.2382, 0.3531

Monochromacy



Original Color

19.2206, 0.2565, 0.4432



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

12.6398, 0.2713, 0.3726

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2206, 0.2565, 0.4432 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(0, 139, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 139, 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(0, 139, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 139, 91) }
```

Border

The CSS property to change the border of an element to Yxy 19.2206, 0.2565, 0.4432 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(0, 139, 91) }
```

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

```
.border{ border-color:rgb(0, 139, 91) }
```

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

Here you see how a box with a 4 pixel rgb(0, 139, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 139, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 139, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 139, 91)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2206, 0.2565, 0.4432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 139, 91) }
```

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

```
.background{ background-color: rgb(0, 139,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor