

Converting Colors

$Yxy(20.0133, 0.2598, 0.4476)$

Have a look what the booklet for
Yxy(20.0133, 0.2598, 0.4476)
contains.

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Color

Yxy(19.8832, 0.2595, 0.4461)

Conversions

Conversions Part 1

Format	Color
Hex	0C8D5B
RGB	12, 141, 91
RGB Percent	5%, 55%, 36%
CMY	0.9521, 0.4471, 0.6432
CMYK	0.91, 0.00, 0.35, 0.45
HSL	157°, 84%, 30%
HSV	157°, 91%, 55%
XYZ	11.5662, 19.8832, 13.1218
YIQ	96.7290, -60.8340, -42.8980

Conversions

Conversions Part 2

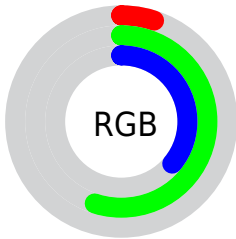
Format	Color
RYB	12, 92, 141
Decimal	822619
CIELab	51.70, -44.06, 17.94
CIELCh	52, 47.572, 157.840
Yxy	19.8832, 0.2595, 0.4461
Android (android.graphics.Color)	4279012699 (0xFF0C8D5B)
YUV	96.7290, -2.8244, -74.3073
Hunter-Lab	44.5906, -31.7329, 13.7660

Details

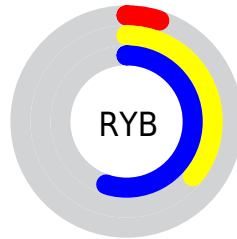
The Yxy color **19.8832, 0.2595, 0.4461** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **6.2806, 0.5116, 0.2679**, and the grayscale version is **11.9171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3814, 0.2733, 0.4178**, and **7.3342, 0.2686, 0.4868** is the 20% darker color. If you saturate the color by 10%, you get **19.7252, 0.2607, 0.4586**, and if you desaturate by 10%, it is **20.1259, 0.2592, 0.4315**.

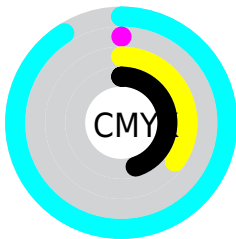
Distribution



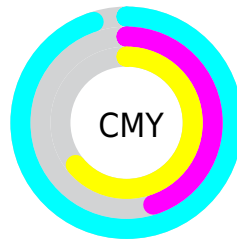
- Red (5%)
- Green (55%)
- Blue (36%)



- Red (5%)
- Yellow (36%)
- Blue (55%)



- Cyan (91%)
- Magenta (0%)
- Yellow (35%)
- Black (45%)





- Cyan (95%)
- Magenta (45%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8832, 0.2595, 0.4461 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 19.8832, 0.2595, 0.4461 by changing the saturation by 10% instead.


 19.8832, 0.2595,
0.4461


 19.8832, 0.2595,
0.4461


251.2821, 0.2917,
0.3753


 12.3102, 0.2487,
0.4697


 43.2213, 0.2730,
0.4165

 6.9553, 0.2327,
0.5047


 59.7551, 0.2775,
0.4067

 3.4342, 0.2066,
0.5614

 80.0447, 0.2811,
0.3988

 1.3624, 0.0932,
0.8134

 104.4743, 0.2840,
0.3924

 0.1887, 0.0000,
1.0000

 133.4285, 0.2864,
0.3870

 0.0000, 0.0000,
0.0000

 167.2916, 0.2885,

0.3825

206.4480, 0.2902,
0.3786

■ 19.8832, 0.2595,
0.4461

■ 19.8832, 0.2595,
0.4461

■ 19.7252, 0.2607,
0.4586

■ 20.1259, 0.2592,
0.4315

■ 20.4665, 0.2609,
0.4168

■ 20.9177, 0.2644,
0.4022

■ 21.4897, 0.2696,
0.3881

■ 22.1913, 0.2762,
0.3747

■ 23.0309, 0.2840,
0.3621

■ 24.0156, 0.2926,
0.3505

■ 25.1526, 0.3018,
0.3398

■ 26.4481, 0.3114,
0.3302

Harmonies

Analogous

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



19.8832, 0.3409, 0.4920



19.8832, 0.2595, 0.4461



19.8832, 0.1972, 0.3520

Triad

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



19.8832, 0.2595, 0.4461



19.8832, 0.2020, 0.1989



19.8832, 0.4836, 0.3538

Complementary

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



19.8832, 0.2595, 0.4461



6.2806, 0.5116, 0.2679

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.



19.8832, 0.4372, 0.2936



19.8832, 0.2595, 0.4461



19.8832, 0.2647, 0.2092

Square

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



19.8832, 0.2595, 0.4461



19.8832, 0.1697, 0.2159



19.8832, 0.3516, 0.2426



19.8832, 0.4738, 0.4167

Rectangle

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



19.8832, 0.2595, 0.4461



19.8832, 0.1736, 0.2914



19.8832, 0.3516, 0.2426



19.8832, 0.4743, 0.3332

Sweetspot

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



19.8840, 0.2595, 0.4461



41.8787, 0.2871, 0.3576



20.1570, 0.3295, 0.5682



9.2426, 0.2847, 0.3611



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.



19.8840, 0.2595, 0.4461



35.2917, 0.2615, 0.4615



17.4720, 0.2186, 0.3009



6.0813, 0.3039, 0.3377



17.9893, 0.2606, 0.4581



0.1763, 0.2427, 0.3939

Inverse Universe

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



6.2806, 0.5116, 0.2679



10.5998, 0.5425, 0.2762



6.3884, 0.6072, 0.3402



5.4566, 0.3225, 0.3205



5.4156, 0.5363, 0.2728



0.0559, 0.4341, 0.2165

Previews

White Background



This preview shows how the Yxy color 19.8832, 0.2595, 0.4461 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 19.8832, 0.2595, 0.4461 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 19.8832, 0.2595, 0.4461

Background



This preview shows how black text looks on a background with the Yxy color 19.8832, 0.2595, 0.4461.



This preview shows how white text looks on a background with the Yxy color 19.8832, 0.2595, 0.4461.

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

19.8832, 0.2595, 0.4461

Protanopia

19.5301, 0.3734, 0.4009

Deuteranopia

19.6410, 0.3732, 0.3680



Tritanopia

19.7983, 0.2322, 0.3064

Trichromacy



Original Color

19.8832, 0.2595, 0.4461



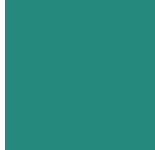
Protanomaly

18.4962, 0.3116, 0.4223



Deuteranomaly

18.1628, 0.3107, 0.3973



Tritanomaly

19.7653, 0.2408, 0.3549

Monochromacy



Original Color

19.8832, 0.2595, 0.4461



Achromatopsia

11.9538, 0.3127, 0.3290



Achromatomaly

13.7947, 0.2764, 0.3732

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8832, 0.2595, 0.4461 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(12, 141, 91)` looks like.

```
.text, #text, p{  
    color:rgb(12, 141, 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(12, 141, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 141, 91) }
```

Border

The CSS property to change the border of an element to Yxy 19.8832, 0.2595, 0.4461 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(12, 141, 91) }
```

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

```
.border{ border-color:rgb(12, 141, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 141, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 141, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 141, 91);  
box-shadow:4px 4px 4px 4px rgb(12, 141,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8832, 0.2595, 0.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 141, 91) }
```

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

```
.background{ background-color: rgb(12, 141,  
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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