

Converting Colors

$Yxy(19.6332, 0.2369, 0.4193)$

Have a look what the booklet for
Yxy(19.6332, 0.2369, 0.4193)
contains.

Yxy(20.0290, 0.2491, 0.4167)	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

$\text{Yxy}(20.0290, 0.2491, 0.4167)$

Conversions

Conversions Part 1

Format	Color
Hex	008D67
RGB	0, 141, 103
RGB Percent	0%, 55%, 40%
CMY	0.9997, 0.4471, 0.5961
CMYK	1.00, 0.00, 0.27, 0.45
HSL	164°, 100%, 28%
HSV	164°, 100%, 55%
XYZ	11.9732, 20.0290, 16.0636
YIQ	94.5090, -71.8380, -41.7100

Conversions

Conversions Part 2

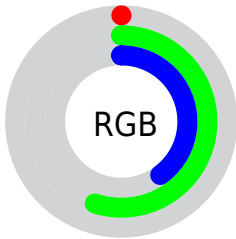
Format	Color
RYB	0, 81, 141
Decimal	36199
CIELab	51.87, -41.90, 11.34
CIELCh	52, 43.404, 164.858
Yxy	20.0290, 0.2491, 0.4167
Android (android.graphics.Color)	4278226279 (0xFF008D67)
YUV	94.5090, 4.1861, -82.8844
Hunter-Lab	44.7538, -30.5642, 10.0465

Details

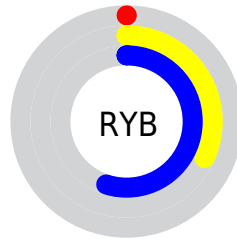
The Yxy color **20.0290, 0.2491, 0.4167** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **5.8051, 0.5812, 0.2976**, and the grayscale version is **11.3289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6519, 0.2643, 0.3959**, and **7.5979, 0.2579, 0.4484** is the 20% darker color. If you saturate the color by 10%, you get **20.0288, 0.2491, 0.4168**, and if you desaturate by 10%, it is **20.2022, 0.2488, 0.4068**.

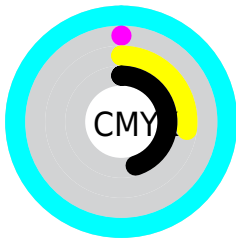
Distribution



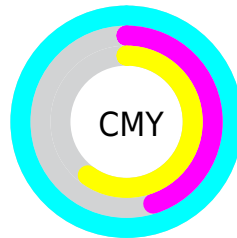
- Red (0%)
- Green (55%)
- Blue (40%)



- Red (0%)
- Yellow (32%)
- Blue (55%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (45%)





- Cyan (100%)
- Magenta (45%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0290, 0.2491, 0.4167 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 20.0290, 0.2491, 0.4167 by changing the saturation by 10% instead.


 20.0290, 0.2491,
0.4167


 20.0290, 0.2491,
0.4167


 252.0721, 0.2863,
0.3645


 12.4161, 0.2374,
0.4337


 43.4658, 0.2642,
0.3951


 7.0277, 0.2207,
0.4587


 60.0585, 0.2694,
0.3879


 3.4795, 0.1947,
0.4988

 80.4133, 0.2735,
0.3820

 1.3869, 0.1005,
0.6160

 104.9145, 0.2770,
0.3773

 0.2070, 0.0000,
1.0000

 133.9467, 0.2799,
0.3733

 0.0000, 0.0000,
0.0000

 167.8940, 0.2823,

0.3699

207.1410, 0.2844,
0.3670

■ 20.0290, 0.2491,
0.4167

■ 20.0290, 0.2491,
0.4167

■ 20.0288, 0.2491,
0.4168

■ 20.2022, 0.2488,
0.4068

■ 20.4399, 0.2497,
0.3970

■ 20.7745, 0.2526,
0.3871

■ 21.2177, 0.2573,
0.3774

■ 21.7793, 0.2637,
0.3680

■ 22.4680, 0.2716,
0.3590

■ 23.2919, 0.2807,
0.3506

■ 24.2580, 0.2908,
0.3427

■ 25.3732, 0.3016,
0.3355

Harmonies

Analogous

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



20.0290, 0.3221, 0.4721



20.0290, 0.2491, 0.4167



20.0290, 0.1973, 0.3303

Triad

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



20.0290, 0.2491, 0.4167



20.0290, 0.2218, 0.2086



20.0290, 0.4715, 0.3675

Complementary

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



20.0290, 0.2491, 0.4167



5.8051, 0.5812, 0.2976

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.



20.0290, 0.4402, 0.3098



20.0290, 0.2491, 0.4167



20.0290, 0.2863, 0.2235

Square

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



20.0290, 0.2491, 0.4167



20.0290, 0.1847, 0.2188



20.0290, 0.3682, 0.2593



20.0290, 0.4527, 0.4249

Rectangle

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



20.0290, 0.2491, 0.4167



20.0290, 0.1797, 0.2791



20.0290, 0.3682, 0.2593



20.0290, 0.4667, 0.3479

Sweetspot

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



20.0298, 0.2491, 0.4167



41.5996, 0.2800, 0.3512



19.5017, 0.3140, 0.5888



9.1647, 0.2766, 0.3542



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.



20.0298, 0.2491, 0.4167



35.8383, 0.2497, 0.4188



13.1769, 0.2054, 0.2594



6.0918, 0.3024, 0.3350



18.2648, 0.2490, 0.4164



0.1783, 0.2364, 0.3709

Inverse Universe

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



5.8051, 0.5812, 0.2976



10.3672, 0.5865, 0.3005



6.6229, 0.6110, 0.3530



5.4465, 0.3242, 0.3231



5.2935, 0.5804, 0.2971



0.0539, 0.4759, 0.2395

Previews

White Background



This preview shows how the Yxy color 20.0290, 0.2491, 0.4167 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 20.0290, 0.2491, 0.4167 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 20.0290, 0.2491, 0.4167

Background



This preview shows how black text looks on a background with the Yxy color 20.0290, 0.2491, 0.4167.



This preview shows how white text looks on a background with the Yxy color 20.0290, 0.2491, 0.4167.

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

20.0290, 0.2491, 0.4167

Protanopia

19.8174, 0.3559, 0.3811

Deuteranopia

19.8518, 0.3534, 0.3487



Tritanopia

19.9841, 0.2297, 0.3064

Trichromacy



Original Color

20.0290, 0.2491, 0.4167



Protanomaly

18.6861, 0.2934, 0.3986



Deuteranomaly

18.3432, 0.2916, 0.3738



Tritanomaly

19.7642, 0.2346, 0.3439

Monochromacy



Original Color

20.0290, 0.2491, 0.4167



Achromatopsia

11.4435, 0.3127, 0.3290



Achromatomaly

13.4308, 0.2671, 0.3638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0290, 0.2491, 0.4167 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, 141, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 141, 103)  
}
```

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, 141, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 141, 103) }
```

Border

The CSS property to change the border of an element to Yxy 20.0290, 0.2491, 0.4167 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, 141, 103) }
```

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

```
.border{ border-color:rgb(0, 141, 103) }
```

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

Here you see how a box with a 4 pixel rgb(0, 141, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 141, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 141, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 141,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0290, 0.2491, 0.4167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 141, 103) }
```

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

```
.background{ background-color: rgb(0, 141,  
103) }
```

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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