

# Converting Colors

$Yxy(20.0551, 0.2468, 0.3805)$

Have a look what the booklet for  
Yxy(20.0551, 0.2468, 0.3805)  
contains.

<b>Yxy(20.0495, 0.2466, 0.3799)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(20.0495, 0.2466, 0.3799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	218B74
RGB	33, 139, 116
RGB Percent	13%, 55%, 45%
CMY	0.8703, 0.4549, 0.5450
CMYK	0.76, 0.00, 0.17, 0.45
HSL	167°, 62%, 34%
HSV	167°, 76%, 55%
XYZ	13.0145, 20.0495, 19.7117
YIQ	104.6840, -55.7930, -29.6250

# Conversions

## Conversions Part 2

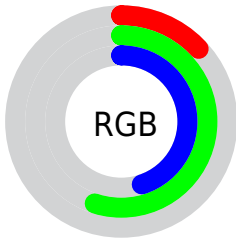
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 92, 139
Decimal	2198388
CIE <sub>Lab</sub>	51.89, -34.93, 3.92
CIE <sub>LCh</sub>	52, 35.151, 173.603
Yxy	20.0495, 0.2466, 0.3799
Android (android.graphics.Color)	4280388468 (0xFF218B74)
YUV	104.6840, 5.5788, -62.8669
Hunter-Lab	44.7767, -26.4775, 5.2428

# Details

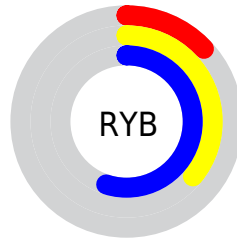
The Yxy color **20.0495, 0.2466, 0.3799** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.8664, 0.5128, 0.2957**, and the grayscale version is **14.0387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4000, 0.2614, 0.3676**, and **7.3968, 0.2439, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **19.7969, 0.2445, 0.3877**, and if you desaturate by 10%, it is **20.4008, 0.2506, 0.3722**.

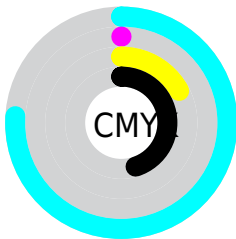
# Distribution



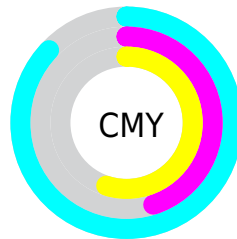
- Red (13%)
- Green (55%)
- Blue (45%)



- Red (13%)
- Yellow (36%)
- Blue (55%)



- Cyan (76%)
- Magenta (0%)
- Yellow (17%)
- Black (45%)




- Cyan (87%)
- Magenta (45%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0495, 0.2466, 0.3799 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 20.0495, 0.2466, 0.3799 by changing the saturation by 10% instead.





 20.0495, 0.2466,  
0.3799


 20.0495, 0.2466,  
0.3799


252.1830, 0.2843,  
0.3504


 12.4310, 0.2352,  
0.3891


 43.5002, 0.2616,  
0.3680


 7.0379, 0.2192,  
0.4022


 60.1011, 0.2669,  
0.3639


 3.4858, 0.1951,  
0.4226

 80.4651, 0.2711,  
0.3606

 1.3903, 0.1346,  
0.4693

 104.9764, 0.2747,  
0.3578

 0.2096, 0.0000,  
1.0000

 134.0194, 0.2777,  
0.3555

 0.0000, 0.0000,  
0.0000

 167.9786, 0.2802,

0.3536

207.2383, 0.2824,  
0.3519

■ 20.0495, 0.2466,  
0.3799

■ 20.0495, 0.2466,  
0.3799

■ 19.7969, 0.2445,  
0.3877

■ 20.4008, 0.2506,  
0.3722

■ 19.6239, 0.2440,  
0.3954

■ 20.8588, 0.2564,  
0.3646

■ 19.5651, 0.2440,  
0.3983

■ 21.4333, 0.2638,  
0.3573

■ 22.1326, 0.2726,  
0.3504

■ 22.9639, 0.2827,  
0.3438

■ 23.9340, 0.2937,  
0.3378

■ 25.0493, 0.3053,  
0.3322

■ 26.3156, 0.3173,  
0.3271

■ 27.7386, 0.3295,  
0.3226

# Harmonies

## Analogous

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



20.0495, 0.3040, 0.4339



20.0495, 0.2466, 0.3799



20.0495, 0.2093, 0.3124

# Triad

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



20.0495, 0.2466, 0.3799



20.0495, 0.2515, 0.2298



20.0495, 0.4421, 0.3783

# Complementary

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



20.0495, 0.2466, 0.3799



6.8664, 0.5128, 0.2957

# 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.



20.0495, 0.4275, 0.3288



20.0495, 0.2466, 0.3799



20.0495, 0.3107, 0.2479

# Square

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



20.0495, 0.2466, 0.3799



20.0495, 0.2125, 0.2328



20.0495, 0.3771, 0.2829



20.0495, 0.4182, 0.4228



# Rectangle

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



20.0495, 0.2466, 0.3799



20.0495, 0.1988, 0.2748



20.0495, 0.3771, 0.2829



20.0495, 0.4417, 0.3619

# Sweetspot

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



20.0503, 0.2466, 0.3799



41.5715, 0.2856, 0.3421



19.4678, 0.3183, 0.5512



9.4568, 0.2821, 0.3442



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.



20.0503, 0.2466, 0.3799



35.2347, 0.2441, 0.3929



13.5030, 0.2150, 0.2653



5.6704, 0.3018, 0.3338



17.6618, 0.2439, 0.3980



0.1195, 0.2338, 0.3616



# Inverse Universe

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



6.8664, 0.5128, 0.2957



10.4574, 0.5752, 0.3026



8.9705, 0.5234, 0.3724



5.0652, 0.3249, 0.3243



5.0416, 0.5967, 0.3061

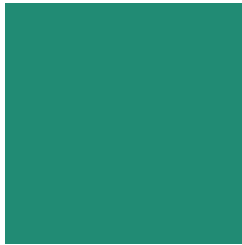


0.0353, 0.4988, 0.2521



# Previews

## White Background



This preview shows how the Yxy color 20.0495, 0.2466, 0.3799 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 20.0495, 0.2466, 0.3799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

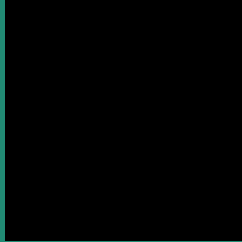
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 20.0495, 0.2466, 0.3799**

## **Background**



This preview shows how black text looks on a background with the Yxy color 20.0495, 0.2466, 0.3799.



This preview shows how white text looks on a background with the Yxy color 20.0495, 0.2466, 0.3799.

# 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

20.0495, 0.2466, 0.3799

### Protanopia

19.8946, 0.3389, 0.3588

### Deuteranopia

19.7840, 0.3332, 0.3273



## Tritanopia

20.0814, 0.2315, 0.3065

# Trichromacy



## Original Color

20.0495, 0.2466, 0.3799

## Protanomaly

19.2060, 0.2931, 0.3684

## Deuteranomaly

18.9063, 0.2892, 0.3431

## Tritanomaly

19.8931, 0.2365, 0.3309

# Monochromacy



## Original Color

20.0495, 0.2466, 0.3799

## Achromatopsia

14.1263, 0.3127, 0.3290

## Achromatomaly

15.4890, 0.2766, 0.3470

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 20.0495, 0.2466, 0.3799 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(33, 139, 116)` looks like.

```
.text, #text, p{  
  color:rgb(33, 139, 116)  
}
```

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(33, 139, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 139, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 20.0495, 0.2466, 0.3799 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(33, 139, 116) }
```

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

```
.border{ border-color:rgb(33, 139, 116) }
```

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

Here you see how a box with a 4 pixel rgb(33, 139, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 139, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 139, 116);  
box-shadow:4px 4px 4px 4px rgb(33, 139,  
116) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 20.0495, 0.2466, 0.3799$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 139, 116) }
```

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

```
.background{ background-color: rgb(33, 139,  
116) }
```

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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