

Converting Colors

$Yxy(19.9367, 0.2407, 0.3722)$

Have a look what the booklet for
Yxy(19.9367, 0.2407, 0.3722)
contains.

Yxy(19.9677, 0.2410, 0.3733)	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(19.9677, 0.2410, 0.3733)

Conversions

Conversions Part 1

Format	Color
Hex	168B77
RGB	22, 139, 119
RGB Percent	9%, 55%, 47%
CMY	0.9144, 0.4549, 0.5333
CMYK	0.84, 0.00, 0.14, 0.45
HSL	170°, 73%, 32%
HSV	170°, 84%, 55%
XYZ	12.8910, 19.9677, 20.6310
YIQ	101.7370, -63.3120, -31.0240

Conversions

Conversions Part 2

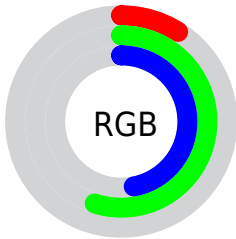
Format	Color
R_{YB}	22, 86, 139
Decimal	1477495
CIE _{Lab}	51.80, -35.35, 2.03
CIE _{LCh}	52, 35.409, 176.721
Yxy	19.9677, 0.2410, 0.3733
Android (android.graphics.Color)	4279667575 (0xFF168B77)
YUV	101.7370, 8.5107, -69.9293
Hunter-Lab	44.6852, -26.7046, 3.9057

Details

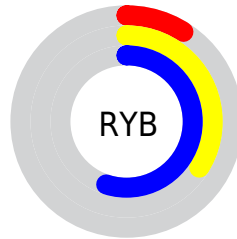
The Yxy color **19.9677, 0.2410, 0.3733** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.2233, 0.5577, 0.3058**, and the grayscale version is **13.1928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2539, 0.2571, 0.3630**, and **7.4344, 0.2408, 0.3869** is the 20% darker color. If you saturate the color by 10%, you get **19.7946, 0.2399, 0.3792**, and if you desaturate by 10%, it is **20.2278, 0.2438, 0.3673**.

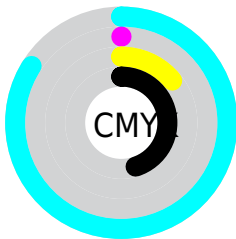
Distribution



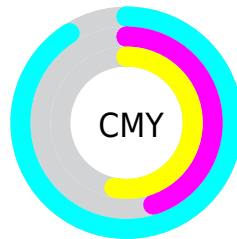
- Red (9%)
- Green (55%)
- Blue (47%)



- Red (9%)
- Yellow (34%)
- Blue (55%)



- Cyan (84%)
- Magenta (0%)
- Yellow (14%)
- Black (45%)




- Cyan (91%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9677, 0.2410, 0.3733 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 19.9677, 0.2410, 0.3733 by changing the saturation by 10% instead.


 19.9677, 0.2410,
0.3733


 19.9677, 0.2410,
0.3733


251.7402, 0.2817,
0.3479


 12.3716, 0.2288,
0.3810


 43.3630, 0.2572,
0.3631


 6.9973, 0.2118,
0.3920


 59.9310, 0.2628,
0.3596


 3.4604, 0.1865,
0.4087

 80.2584, 0.2674,
0.3567

 1.3765, 0.1233,
0.4481

 104.7296, 0.2712,
0.3544

 0.1993, 0.0000,
0.7254

 133.7290, 0.2745,
0.3524

 0.0000, 0.0000,
0.0000

 167.6409, 0.2772,

0.3506

206.8499, 0.2796,
0.3492

■ 19.9677, 0.2410,
0.3733

■ 19.9677, 0.2410,
0.3733

■ 19.7946, 0.2399,
0.3792

■ 20.2278, 0.2438,
0.3673

■ 19.7119, 0.2396,
0.3826

■ 20.5856, 0.2485,
0.3614

■ 21.0519, 0.2550,
0.3556

■ 21.6355, 0.2631,
0.3500

■ 22.3443, 0.2726,
0.3447

■ 23.1857, 0.2833,
0.3397

■ 24.1663, 0.2950,
0.3350

■ 25.2924, 0.3073,
0.3307

■ 26.5696, 0.3200,
0.3268

Harmonies

Analogous

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



19.9677, 0.2972, 0.4308



19.9677, 0.2410, 0.3733



19.9677, 0.2061, 0.3057

Triad

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



19.9677, 0.2410, 0.3733



19.9677, 0.2563, 0.2300



19.9677, 0.4423, 0.3837

Complementary

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



19.9677, 0.2410, 0.3733



6.2233, 0.5577, 0.3058

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.



19.9677, 0.4319, 0.3338



19.9677, 0.2410, 0.3733



19.9677, 0.3177, 0.2502

Square

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



19.9677, 0.2410, 0.3733



19.9677, 0.2147, 0.2306



19.9677, 0.3841, 0.2869



19.9677, 0.4147, 0.4274

Rectangle

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



19.9677, 0.2410, 0.3733



19.9677, 0.1974, 0.2694



19.9677, 0.3841, 0.2869



19.9677, 0.4434, 0.3672

Sweetspot

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



19.9685, 0.2410, 0.3733



41.3143, 0.2819, 0.3403



19.0453, 0.3118, 0.5717



9.4082, 0.2785, 0.3418



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.



19.9685, 0.2410, 0.3733



35.2750, 0.2400, 0.3839



11.5169, 0.2053, 0.2430



5.6742, 0.3012, 0.3327



17.7909, 0.2396, 0.3824



0.1200, 0.2317, 0.3539

Inverse Universe

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



6.2233, 0.5577, 0.3058



9.9282, 0.6145, 0.3159



8.6689, 0.5419, 0.3803



5.0616, 0.3255, 0.3253



5.0144, 0.6093, 0.3130



0.0348, 0.5216, 0.2647

Previews

White Background



This preview shows how the Yxy color 19.9677, 0.2410, 0.3733 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 19.9677, 0.2410, 0.3733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

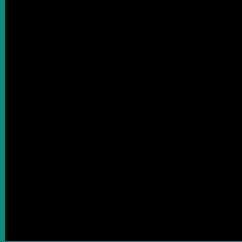
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9677, 0.2410, 0.3733

Background



This preview shows how black text looks on a background with the Yxy color 19.9677, 0.2410, 0.3733.

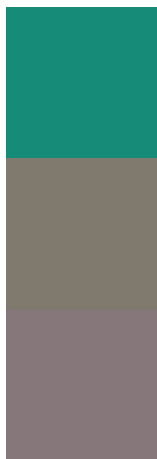


This preview shows how white text looks on a background with the Yxy color 19.9677, 0.2410, 0.3733.

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

19.9677, 0.2410, 0.3733

Protanopia

19.6341, 0.3343, 0.3514

Deuteranopia

19.6920, 0.3270, 0.3219



Tritanopia

19.9169, 0.2284, 0.3063

Trichromacy



Original Color

19.9677, 0.2410, 0.3733

Protanomaly

18.7544, 0.2848, 0.3604

Deuteranomaly

18.6540, 0.2799, 0.3371

Tritanomaly

19.7432, 0.2321, 0.3288

Monochromacy



Original Color

19.9677, 0.2410, 0.3733

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.7606, 0.2709, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9677, 0.2410, 0.3733 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(22, 139, 119)` looks like.

```
.text, #text, p{  
    color:rgb(22, 139, 119)  
}
```

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(22, 139, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 139, 119) }
```

Border

The CSS property to change the border of an element to Yxy 19.9677, 0.2410, 0.3733 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(22, 139, 119) }
```

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

```
.border{ border-color:rgb(22, 139, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 139, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 139, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 139, 119);  
box-shadow:4px 4px 4px 4px rgb(22, 139,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9677, 0.2410, 0.3733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 139, 119) }
```

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

```
.background{ background-color: rgb(22, 139,  
119) }
```

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