

Converting Colors

$Y_{xy}(19.9140, 0.2593, 0.3791)$

Have a look what the booklet for
Yxy(19.9140, 0.2593, 0.3791)
contains.

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Color

Yxy(19.9761, 0.2594, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	398972
RGB	57, 137, 114
RGB Percent	22%, 54%, 45%
CMY	0.7763, 0.4628, 0.5529
CMYK	0.58, 0.00, 0.17, 0.46
HSL	163°, 41%, 38%
HSV	163°, 58%, 54%
XYZ	13.6723, 19.9761, 19.0590
YIQ	110.4580, -40.2970, -24.1130

Conversions

Conversions Part 2

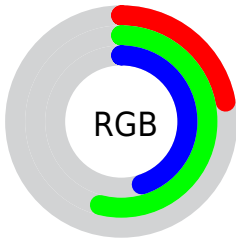
Format	Color
RYB	57, 104, 137
Decimal	3770738
CIELab	51.81, -30.30, 5.04
CIELCh	52, 30.719, 170.564
Yxy	19.9761, 0.2594, 0.3790
Android (android.graphics.Color)	4281960818 (0xFF398972)
YUV	110.4580, 1.7462, -46.8827
Hunter-Lab	44.6946, -23.6116, 6.0034

Details

The Yxy color **19.9761, 0.2594, 0.3790** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.8274, 0.4315, 0.2879**, and the grayscale version is **15.7382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4595, 0.2719, 0.3670**, and **7.0489, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **19.5391, 0.2545, 0.3893**, and if you desaturate by 10%, it is **20.5272, 0.2659, 0.3690**.

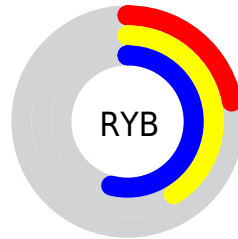
Distribution



Red (22%)

Green (54%)

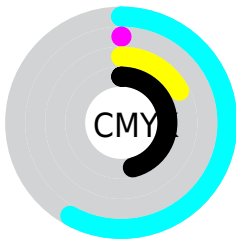
Blue (45%)



Red (22%)

Yellow (41%)

Blue (54%)

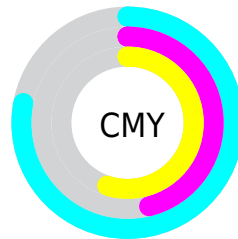


Cyan (58%)

Magenta (0%)

Yellow (17%)

Black (46%)



Cyan (78%)

Magenta (46%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9761, 0.2594, 0.3790 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 19.9761, 0.2594, 0.3790 by changing the saturation by 10% instead.

■ 19.9761, 0.2594,
0.3790

■ 19.9761, 0.2594,
0.3790

■ 251.7857, 0.2900,
0.3498

■ 12.3777, 0.2501,
0.3882

■ 43.3771, 0.2717,
0.3671

■ 7.0014, 0.2368,
0.4014

■ 59.9485, 0.2759,
0.3631

■ 3.4630, 0.2165,
0.4223

■ 80.2796, 0.2794,
0.3598

■ 1.3780, 0.1701,
0.4661

■ 104.7549, 0.2822,
0.3571

■ 0.2004, 0.0000,
1.0000

■ 133.7588, 0.2846,
0.3549

■ 0.0000, 0.0000,
0.0000

167.6756, 0.2867,

0.3529

206.8898, 0.2885,
0.3513

■ 19.9761, 0.2594,
0.3790

■ 19.9761, 0.2594,
0.3790

■ 19.5391, 0.2545,
0.3893

■ 20.5272, 0.2659,
0.3690

■ 19.2048, 0.2515,
0.3999

■ 21.1981, 0.2738,
0.3595

■ 18.9637, 0.2503,
0.4104

■ 21.9968, 0.2829,
0.3506

■ 18.7920, 0.2507,
0.4210

■ 22.9300, 0.2929,
0.3423

■ 18.7655, 0.2508,
0.4227

■ 24.0040, 0.3035,
0.3348

■ 25.2245, 0.3145,
0.3279

■ 26.5969, 0.3257,
0.3218

■ 28.1267, 0.3368,
0.3163

■ 29.8185, 0.3479,
0.3114

Harmonies

Analogous

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



19.9761, 0.3115, 0.4225



19.9761, 0.2594, 0.3790



19.9761, 0.2236, 0.3210

Triad

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



19.9761, 0.2594, 0.3790



19.9761, 0.2544, 0.2400



19.9761, 0.4265, 0.3697

Complementary

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



19.9761, 0.2594, 0.3790



8.8274, 0.4315, 0.2879

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.



19.9761, 0.4098, 0.3253



19.9761, 0.2594, 0.3790



19.9761, 0.3056, 0.2544

Square

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



19.9761, 0.2594, 0.3790



19.9761, 0.2213, 0.2453



19.9761, 0.3637, 0.2846



19.9761, 0.4095, 0.4093

Rectangle

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



19.9761, 0.2594, 0.3790



19.9761, 0.2123, 0.2867



19.9761, 0.3637, 0.2846



19.9761, 0.4248, 0.3549

Sweetspot

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



19.9769, 0.2594, 0.3790



41.0596, 0.2929, 0.3424



19.9369, 0.3266, 0.4978



9.1082, 0.2903, 0.3444



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.9769, 0.2594, 0.3790



34.7827, 0.2534, 0.3927



16.3530, 0.2349, 0.2945



5.6645, 0.3027, 0.3354



17.4827, 0.2507, 0.4224



0.1187, 0.2373, 0.3741

Inverse Universe

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



8.8274, 0.4315, 0.2879



12.8499, 0.4763, 0.2834



10.3827, 0.4635, 0.3581



5.0707, 0.3238, 0.3227



5.0947, 0.5739, 0.2935



0.0361, 0.4689, 0.2357

Previews

White Background



This preview shows how the Yxy color 19.9761, 0.2594, 0.3790 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 19.9761, 0.2594, 0.3790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

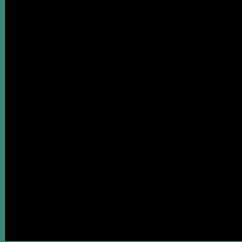
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9761, 0.2594, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 19.9761, 0.2594, 0.3790.



This preview shows how white text looks on a background with the Yxy color 19.9761, 0.2594, 0.3790.

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

19.9761, 0.2594, 0.3790

Protanopia

19.6268, 0.3404, 0.3589

Deuteranopia

19.7359, 0.3356, 0.3309



Tritanopia

19.9820, 0.2416, 0.3068

Trichromacy



Original Color

19.9761, 0.2594, 0.3790

Protanomaly

19.1664, 0.3040, 0.3655

Deuteranomaly

19.3319, 0.3002, 0.3468

Tritanomaly

19.8004, 0.2475, 0.3309

Monochromacy



Original Color

19.9761, 0.2594, 0.3790

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.8048, 0.2881, 0.3483

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9761, 0.2594, 0.3790 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(57, 137, 114)` looks like.

```
.text, #text, p{  
    color:rgb(57, 137, 114)  
}
```

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(57, 137, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 137, 114) }
```

Border

The CSS property to change the border of an element to Yxy 19.9761, 0.2594, 0.3790 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(57, 137, 114) }
```

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

```
.border{ border-color:rgb(57, 137, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 137, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 137, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 137, 114);  
box-shadow:4px 4px 4px 4px rgb(57, 137,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9761, 0.2594, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 137, 114) }
```

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

```
.background{ background-color: rgb(57, 137,  
114) }
```

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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