

Converting Colors

$Y_{xy}(18.3351, 0.2594, 0.3748)$

Have a look what the booklet for
Yxy(18.3351, 0.2594, 0.3748)
contains.

Yxy(18.2210, 0.2589, 0.3739)	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(18.2210, 0.2589, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	38836F
RGB	56, 131, 111
RGB Percent	22%, 51%, 44%
CMY	0.7804, 0.4863, 0.5647
CMYK	0.57, 0.00, 0.15, 0.49
HSL	164°, 40%, 37%
HSV	164°, 57%, 51%
XYZ	12.6168, 18.2210, 17.8945
YIQ	106.2950, -38.2800, -22.1200

Conversions

Conversions Part 2

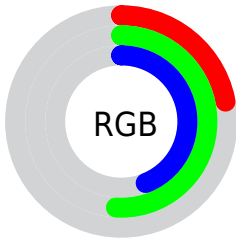
Format	Color
RYB	56, 99, 131
Decimal	3703663
CIELab	49.76, -28.40, 3.83
CIElCh	50, 28.660, 172.313
Yxy	18.2210, 0.2589, 0.3739
Android (android.graphics.Color)	4281893743 (0xFF38836F)
YUV	106.2950, 2.3196, -44.1087
Hunter-Lab	42.6861, -21.9411, 5.0252




Details

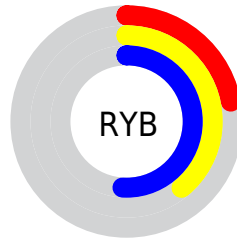
The Yxy color **18.2210, 0.2589, 0.3739** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8.1753, 0.4309, 0.2917**, and the grayscale version is **14.5000, 0.3127, 0.3290**.




A 20% lighter version of the original color is **40.2403, 0.2713, 0.3617**, and **6.2437, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **17.8170, 0.2537, 0.3833**, and if you desaturate by 10%, it is **18.7283, 0.2658, 0.3648**.

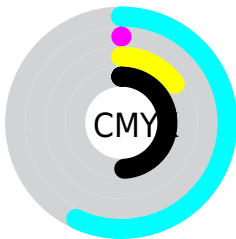
Distribution







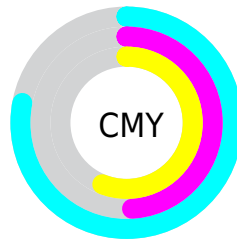
-  Red (22%)
-  Green (51%)
-  Blue (44%)






-  Red (22%)
-  Yellow (39%)
-  Blue (51%)



-  Cyan (57%)
-  Magenta (0%)
-  Yellow (15%)
-  Black (49%)





-  Cyan (78%)
-  Magenta (49%)
-  Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 18.2210, 0.2589, 0.3739 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 18.2210, 0.2589, 0.3739 by changing the saturation by 10% instead.


 18.2210, 0.2589,
0.3739


 18.2210, 0.2589,
0.3739


 242.1138, 0.2901,
0.3475


 11.1088, 0.2492,
0.3823


 40.4135, 0.2715,
0.3631


 6.1400, 0.2353,
0.3947

 56.2626, 0.2758,
0.3594

 2.9304, 0.2137,
0.4142

 75.7928, 0.2794,
0.3565

 1.0955, 0.1428,
0.4685

 99.3885, 0.2823,
0.3540

 0.0000, 0.0000,
0.0000

 127.4340, 0.2847,
0.3520

 160.3138, 0.2868,

0.3503

198.4123, 0.2886,
0.3488

■ 18.2210, 0.2589,
0.3739

■ 18.2210, 0.2589,
0.3739

■ 17.8170, 0.2537,
0.3833

■ 18.7283, 0.2658,
0.3648

■ 17.5061, 0.2502,
0.3930

■ 19.3437, 0.2740,
0.3561

■ 17.2800, 0.2486,
0.4026

■ 20.0744, 0.2834,
0.3480

■ 17.1202, 0.2486,
0.4123

■ 20.9264, 0.2937,
0.3405

■ 17.0792, 0.2486,
0.4150

■ 21.9050, 0.3046,
0.3336

■ 23.0156, 0.3158,
0.3273

■ 24.2630, 0.3273,
0.3217

■ 25.6517, 0.3387,
0.3167

■ 27.1863, 0.3499,
0.3123

Harmonies

Analogous

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



18.2210, 0.3086, 0.4170



18.2210, 0.2589, 0.3739



18.2210, 0.2254, 0.3183

Triad

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



18.2210, 0.2589, 0.3739



18.2210, 0.2590, 0.2433



18.2210, 0.4222, 0.3710

Complementary

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



18.2210, 0.2589, 0.3739



8.1753, 0.4309, 0.2917

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.



18.2210, 0.4079, 0.3282



18.2210, 0.2589, 0.3739



18.2210, 0.3092, 0.2582

Square

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



18.2210, 0.2589, 0.3739



18.2210, 0.2258, 0.2474



18.2210, 0.3649, 0.2883



18.2210, 0.4042, 0.4085

Rectangle

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



18.2210, 0.2589, 0.3739



18.2210, 0.2152, 0.2859



18.2210, 0.3649, 0.2883



18.2210, 0.4211, 0.3569

Sweetspot

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



18.2217, 0.2589, 0.3739



37.4511, 0.2935, 0.3406



18.0550, 0.3239, 0.4951



8.6567, 0.2918, 0.3418



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.2217, 0.2589, 0.3739



31.7019, 0.2523, 0.3865



14.4018, 0.2351, 0.2896



5.2583, 0.3025, 0.3349



16.8119, 0.2486, 0.4149



0.0595, 0.2362, 0.3703

Inverse Universe

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



8.1753, 0.4309, 0.2917



11.8300, 0.4770, 0.2872



9.9419, 0.4553, 0.3624



4.7076, 0.3241, 0.3232



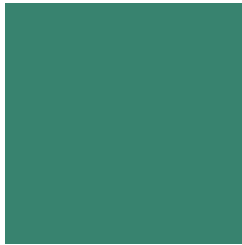
4.8691, 0.5806, 0.2972



0.0179, 0.4772, 0.2403

Previews

White Background



This preview shows how the Yxy color 18.2210, 0.2589, 0.3739 looks on a white 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

Black Background



This preview shows how the Yxy color 18.2210, 0.2589, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

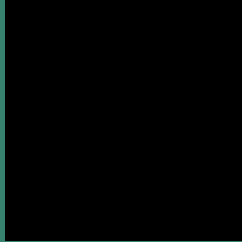
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2210, 0.2589, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 18.2210, 0.2589, 0.3739.

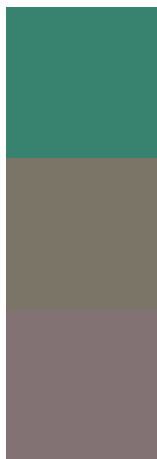


This preview shows how white text looks on a background with the Yxy color 18.2210, 0.2589, 0.3739.

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

18.2210, 0.2589, 0.3739

Protanopia

17.9330, 0.3364, 0.3543

Deuteranopia

18.0183, 0.3326, 0.3272



Tritanopia

18.1375, 0.2422, 0.3059

Trichromacy



Original Color

18.2210, 0.2589, 0.3739

Protanomaly

17.6333, 0.3016, 0.3604

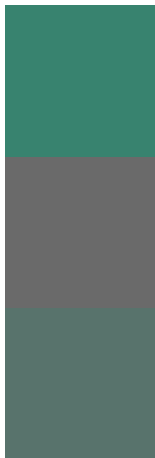
Deuteranomaly

17.5314, 0.2987, 0.3413

Tritanomaly

18.0210, 0.2482, 0.3288

Monochromacy



Original Color

18.2210, 0.2589, 0.3739

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.4189, 0.2873, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2210, 0.2589, 0.3739 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(56, 131, 111)` looks like.

```
.text, #text, p{  
    color:rgb(56, 131, 111)  
}
```

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(56, 131, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 131, 111) }
```

Border

The CSS property to change the border of an element to Yxy 18.2210, 0.2589, 0.3739 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(56, 131, 111) }
```

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

```
.border{ border-color:rgb(56, 131, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 131, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 131, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 131, 111);  
box-shadow:4px 4px 4px 4px rgb(56, 131,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2210, 0.2589, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 131, 111) }
```

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

```
.background{ background-color: rgb(56, 131,  
111) }
```

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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