

Converting Colors

$Y_{xy}(10.6292, 0.2395, 0.3769)$

Have a look what the booklet for
Yxy(10.6292, 0.2395, 0.3769)
contains.

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Color

$\text{Yxy}(10.6210, 0.2399, 0.3784)$

Conversions

Conversions Part 1

Format	Color
Hex	056857
RGB	5, 104, 87
RGB Percent	2%, 41%, 34%
CMY	0.9803, 0.5922, 0.6588
CMYK	0.95, 0.00, 0.16, 0.59
HSL	170°, 91%, 21%
HSV	170°, 95%, 41%
XYZ	6.7336, 10.6210, 10.7136
YIQ	72.4610, -53.5470, -26.2750

Conversions

Conversions Part 2

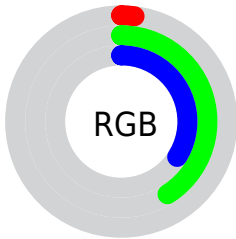
Format	Color
RYB	5, 59, 104
Decimal	354391
CIELab	38.93, -29.90, 2.38
CIELCh	39, 29.992, 175.444
Yxy	10.6210, 0.2399, 0.3784
Android (android.graphics.Color)	4278544471 (0xFF056857)
YUV	72.4610, 7.1677, -59.1633
Hunter-Lab	32.5899, -20.1515, 3.3219

Details

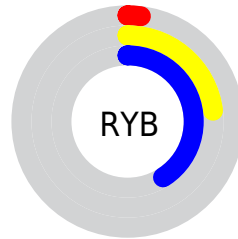
The Yxy color **10.6210, 0.2399, 0.3784** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **3.1100, 0.5869, 0.3089**, and the grayscale version is **6.5596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0389, 0.2593, 0.3647**, and **2.9955, 0.2443, 0.3994** is the 20% darker color. If you saturate the color by 10%, you get **10.5750, 0.2392, 0.3813**, and if you desaturate by 10%, it is **10.7237, 0.2414, 0.3726**.

Distribution



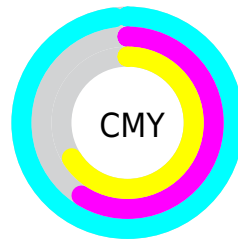
- Red (2%)
- Green (41%)
- Blue (34%)



- Red (2%)
- Yellow (23%)
- Blue (41%)



- Cyan (95%)
- Magenta (0%)
- Yellow (16%)
- Black (59%)





- Cyan (98%)
- Magenta (59%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6210, 0.2399, 0.3784 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 10.6210, 0.2399, 0.3784 by changing the saturation by 10% instead.


 10.6210, 0.2399,
0.3784


 10.6210, 0.2399,
0.3784


195.0486, 0.2850,
0.3474


 5.8126, 0.2240,
0.3897

 26.9572, 0.2592,
0.3650

 2.7315, 0.1994,
0.4075


 39.2537, 0.2655,
0.3607

 0.9932, 0.0995,
0.4698

 54.8151, 0.2705,
0.3573

 0.0000, 0.0000,
0.0000


 74.0258, 0.2745,
0.3545


 97.2700, 0.2778,
0.3523


 124.9323, 0.2806,


0.3504


 157.3971, 0.2830,
0.3488


 10.6210, 0.2399,
0.3784


 10.6210, 0.2399,
0.3784


 10.5750, 0.2392,
0.3813

 10.7237, 0.2414,
0.3726

 10.8661, 0.2444,
0.3668

 11.0589, 0.2492,
0.3610

 11.3069, 0.2556,
0.3554

 11.6145, 0.2635,
0.3499

■ 11.9855, 0.2728,
0.3447

■ 12.4234, 0.2832,
0.3398

■ 12.9315, 0.2945,
0.3352

■ 13.5129, 0.3064,
0.3310

Harmonies

Analogous

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



10.6210, 0.2990, 0.4378



10.6210, 0.2399, 0.3784



10.6210, 0.2027, 0.3071

Triad

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



10.6210, 0.2399, 0.3784



10.6210, 0.2515, 0.2258



10.6210, 0.4484, 0.3831

Complementary

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



10.6210, 0.2399, 0.3784



3.1100, 0.5869, 0.3089

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.



10.6210, 0.4359, 0.3314



10.6210, 0.2399, 0.3784



10.6210, 0.3147, 0.2459

Square

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



10.6210, 0.2399, 0.3784



10.6210, 0.2095, 0.2272



10.6210, 0.3846, 0.2832



10.6210, 0.4207, 0.4295

Rectangle

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



10.6210, 0.2399, 0.3784



10.6210, 0.1931, 0.2686



10.6210, 0.3846, 0.2832



10.6210, 0.4490, 0.3659

Sweetspot

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



10.6214, 0.2399, 0.3784



21.4239, 0.2782, 0.3420



10.0959, 0.3094, 0.5855



5.1684, 0.2750, 0.3436



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



10.6214, 0.2399, 0.3784



18.5385, 0.2397, 0.3828



5.7520, 0.1999, 0.2336



3.1775, 0.3019, 0.3326



13.0317, 0.2394, 0.3819



67.8544, 0.2404, 0.3853

Inverse Universe

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



3.1100, 0.5869, 0.3089



5.2260, 0.6094, 0.3131



4.2380, 0.5674, 0.3770



2.8534, 0.3247, 0.3255



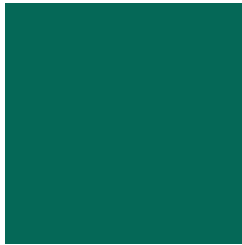
3.6774, 0.6059, 0.3111



19.0857, 0.6178, 0.3177

Previews

White Background



This preview shows how the Yxy color 10.6210, 0.2399, 0.3784 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 10.6210, 0.2399, 0.3784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

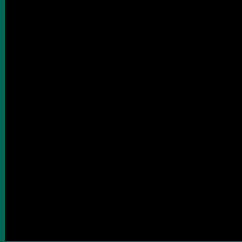
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6210, 0.2399, 0.3784

Background



This preview shows how black text looks on a background with the Yxy color 10.6210, 0.2399, 0.3784.



This preview shows how white text looks on a background with the Yxy color 10.6210, 0.2399, 0.3784.

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

10.6210, 0.2399, 0.3784

Protanopia

10.5482, 0.3376, 0.3557

Deuteranopia

10.6496, 0.3309, 0.3267



Tritanopia

10.6875, 0.2288, 0.3076

Trichromacy



Original Color

10.6210, 0.2399, 0.3784

Protanomaly

10.0470, 0.2829, 0.3646

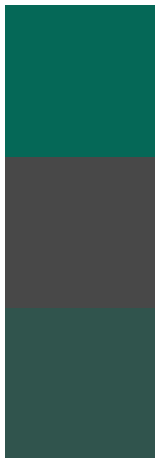
Deuteranomaly

9.8849, 0.2789, 0.3424

Tritanomaly

10.6018, 0.2317, 0.3315

Monochromacy



Original Color

10.6210, 0.2399, 0.3784

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

7.5048, 0.2677, 0.3507

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6210, 0.2399, 0.3784 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(5, 104, 87)` looks like.

```
.text, #text, p{  
    color:rgb(5, 104, 87)  
}
```

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(5, 104, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 104, 87) }
```

Border

The CSS property to change the border of an element to Yxy 10.6210, 0.2399, 0.3784 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(5, 104, 87) }
```

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

```
.border{ border-color:rgb(5, 104, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 104, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 104, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 104, 87);  
box-shadow:4px 4px 4px 4px rgb(5, 104, 87)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.6210, 0.2399, 0.3784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 104, 87) }
```

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

```
.background{ background-color: rgb(5, 104,  
87) }
```

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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