

Converting Colors

$Yxy(16.6553, 0.2421, 0.3701)$

Have a look what the booklet for
Yxy(16.6553, 0.2421, 0.3701)
contains.

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Color

Yxy(16.7837, 0.2427, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	1A806E
RGB	26, 128, 110
RGB Percent	10%, 50%, 43%
CMY	0.8981, 0.4980, 0.5687
CMYK	0.80, 0.00, 0.14, 0.50
HSL	169°, 66%, 30%
HSV	169°, 80%, 50%
XYZ	10.9588, 16.7837, 17.4113
YIQ	95.4500, -55.0140, -27.2220

Conversions

Conversions Part 2

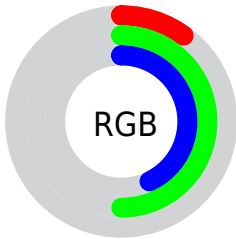
Format	Color
RYB	26, 82, 128
Decimal	1736814
CIELab	47.99, -32.45, 1.77
CIELCh	48, 32.493, 176.886
Yxy	16.7837, 0.2427, 0.3717
Android (android.graphics.Color)	4279926894 (0xFF1A806E)
YUV	95.4500, 7.1731, -60.9077
Hunter-Lab	40.9679, -23.9454, 3.4793

Details

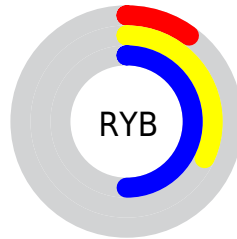
The Yxy color **16.7837, 0.2427, 0.3717** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.5094, 0.5353, 0.3032**, and the grayscale version is **11.5488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7448, 0.2594, 0.3615**, and **5.8077, 0.2404, 0.3856** is the 20% darker color. If you saturate the color by 10%, you get **16.6033, 0.2408, 0.3778**, and if you desaturate by 10%, it is **17.0419, 0.2464, 0.3656**.

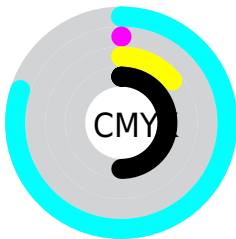
Distribution



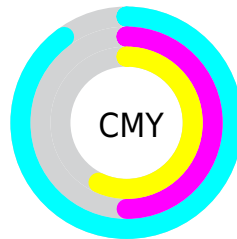
- Red (10%)
- Green (50%)
- Blue (43%)



- Red (10%)
- Yellow (32%)
- Blue (50%)



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (50%)



- Cyan (90%)
- Magenta (50%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7837, 0.2427, 0.3717 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 16.7837, 0.2427, 0.3717 by changing the saturation by 10% instead.


 16.7837, 0.2427,
0.3717


 16.7837, 0.2427,
0.3717


233.9228, 0.2835,
0.3466


 10.0804, 0.2300,
0.3797


 37.9535, 0.2592,
0.3615


 5.4523, 0.2118,
0.3913

 53.1888, 0.2649,
0.3580


 2.5150, 0.1837,
0.4095

 72.0369, 0.2694,
0.3552

 0.8841, 0.0273,
0.4990

 94.8821, 0.2732,
0.3528

 0.0000, 0.0000,
0.0000

 122.1089, 0.2764,
0.3509

 154.1017, 0.2791,

0.3493

191.2449, 0.2814,
0.3478

■ 16.7837, 0.2427,
0.3717

■ 16.7837, 0.2427,
0.3717

■ 16.6033, 0.2408,
0.3778

■ 17.0419, 0.2464,
0.3656

■ 16.4715, 0.2401,
0.3840

■ 17.3850, 0.2519,
0.3595

■ 16.4676, 0.2400,
0.3841

■ 17.8213, 0.2591,
0.3537

■ 18.3575, 0.2678,
0.3480

■ 19.0000, 0.2778,
0.3427

■ 19.7542, 0.2889,
0.3377

■ 20.6256, 0.3007,
0.3331

■ 21.6190, 0.3131,
0.3289

■ 22.7392, 0.3258,
0.3251

Harmonies

Analogous

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



16.7837, 0.2975, 0.4275



16.7837, 0.2427, 0.3717



16.7837, 0.2086, 0.3062

Triad

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



16.7837, 0.2427, 0.3717



16.7837, 0.2581, 0.2324



16.7837, 0.4388, 0.3829

Complementary

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



16.7837, 0.2427, 0.3717



5.5094, 0.5353, 0.3032

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.



16.7837, 0.4287, 0.3342



16.7837, 0.2427, 0.3717



16.7837, 0.3180, 0.2523

Square

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



16.7837, 0.2427, 0.3717



16.7837, 0.2172, 0.2330



16.7837, 0.3825, 0.2883



16.7837, 0.4119, 0.4252

Rectangle

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



16.7837, 0.2427, 0.3717



16.7837, 0.2001, 0.2709



16.7837, 0.3825, 0.2883



16.7837, 0.4399, 0.3669

Sweetspot

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



16.7843, 0.2427, 0.3717



34.1087, 0.2834, 0.3401



16.0647, 0.3133, 0.5609



7.8936, 0.2801, 0.3416



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.7843, 0.2427, 0.3717



29.0495, 0.2404, 0.3830



10.0887, 0.2094, 0.2492



4.8743, 0.3015, 0.3328



16.3279, 0.2400, 0.3841



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.5094, 0.5353, 0.3032



8.3436, 0.6004, 0.3122



7.7195, 0.5245, 0.3813



4.3557, 0.3253, 0.3252



4.6104, 0.6070, 0.3117



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.7837, 0.2427, 0.3717 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 16.7837, 0.2427, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

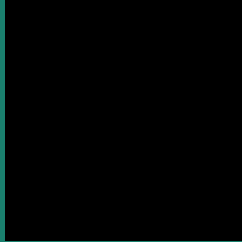
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.7837, 0.2427, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 16.7837, 0.2427, 0.3717.

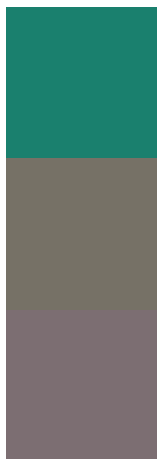


This preview shows how white text looks on a background with the Yxy color 16.7837, 0.2427, 0.3717.

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

16.7837, 0.2427, 0.3717

Protanopia

16.6211, 0.3332, 0.3511

Deuteranopia

16.6519, 0.3266, 0.3213



Tritanopia

16.9301, 0.2303, 0.3070

Trichromacy



Original Color

16.7837, 0.2427, 0.3717

Protanomaly

15.9081, 0.2874, 0.3579

Deuteranomaly

15.9895, 0.2822, 0.3376

Tritanomaly

16.8214, 0.2343, 0.3288

Monochromacy



Original Color

16.7837, 0.2427, 0.3717

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.7376, 0.2740, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7837, 0.2427, 0.3717 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(26, 128, 110)` looks like.

```
.text, #text, p{  
    color:rgb(26, 128, 110)  
}
```

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(26, 128, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 128, 110) }
```

Border

The CSS property to change the border of an element to Yxy 16.7837, 0.2427, 0.3717 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(26, 128, 110) }
```

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

```
.border{ border-color:rgb(26, 128, 110) }
```

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

Here you see how a box with a 4 pixel rgb(26, 128, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 128, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 128, 110);  
box-shadow:4px 4px 4px 4px rgb(26, 128,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7837, 0.2427, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 128, 110) }
```

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

```
.background{ background-color: rgb(26, 128,  
110) }
```

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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