

Converting Colors

$Yxy(17.1904, 0.2410, 0.3721)$

Have a look what the booklet for
Yxy(17.1904, 0.2410, 0.3721)
contains.

Yxy(17.2724, 0.2415, 0.3737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.2724, 0.2415, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	15826F
RGB	21, 130, 111
RGB Percent	8%, 51%, 44%
CMY	0.9174, 0.4902, 0.5647
CMYK	0.84, 0.00, 0.15, 0.49
HSL	170°, 72%, 30%
HSV	170°, 84%, 51%
XYZ	11.1621, 17.2724, 17.7854
YIQ	95.2430, -58.8650, -29.0170

Conversions

Conversions Part 2

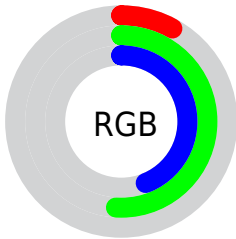
Format	Color
RYB	21, 81, 130
Decimal	1409647
CIELab	48.60, -33.60, 2.05
CIELCh	49, 33.664, 176.502
Yxy	17.2724, 0.2415, 0.3737
Android (android.graphics.Color)	4279599727 (0xFF15826F)
YUV	95.2430, 7.7682, -65.1111
Hunter-Lab	41.5601, -24.7890, 3.7192

Details

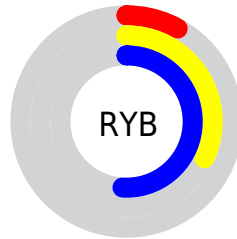
The Yxy color **17.2724, 0.2415, 0.3737** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **5.4379, 0.5527, 0.3048**, and the grayscale version is **11.5012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9516, 0.2579, 0.3629**, and **6.0962, 0.2423, 0.3922** is the 20% darker color. If you saturate the color by 10%, you get **17.1157, 0.2403, 0.3797**, and if you desaturate by 10%, it is **17.5047, 0.2445, 0.3676**.

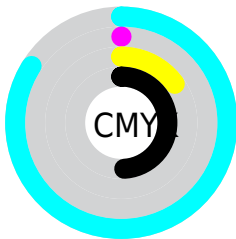
Distribution



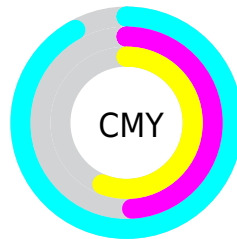
- Red (8%)
- Green (51%)
- Blue (44%)



- Red (8%)
- Yellow (32%)
- Blue (51%)



- Cyan (84%)
- Magenta (0%)
- Yellow (15%)
- Black (49%)




- Cyan (92%)
- Magenta (49%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2724, 0.2415, 0.3737 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 17.2724, 0.2415, 0.3737 by changing the saturation by 10% instead.


 17.2724, 0.2415,
0.3737


 17.2724, 0.2415,
0.3737


 236.7373, 0.2828,
0.3475


 10.4289, 0.2287,
0.3820


 38.7935, 0.2582,
0.3630


 5.6842, 0.2105,
0.3940

 54.2400, 0.2639,
0.3594

 2.6540, 0.1825,
0.4129

 73.3228, 0.2686,
0.3564

 0.9539, 0.0439,
0.4938

 96.4265, 0.2724,
0.3540

 0.0000, 0.0000,
0.0000

 123.9354, 0.2756,
0.3520

 156.2339, 0.2784,

0.3503

193.7064, 0.2807,
0.3488

■ 17.2724, 0.2415,
0.3737

■ 17.2724, 0.2415,
0.3737

■ 17.1157, 0.2403,
0.3797

■ 17.5047, 0.2445,
0.3676

■ 17.0337, 0.2399,
0.3835

■ 17.8212, 0.2493,
0.3616

■ 18.2311, 0.2558,
0.3558

■ 18.7418, 0.2639,
0.3501

■ 19.3600, 0.2735,
0.3447

■ 20.0918, 0.2841,
0.3396

■ 20.9428, 0.2957,
0.3349

■ 21.9184, 0.3080,
0.3305

■ 23.0233, 0.3206,
0.3266

Harmonies

Analogous

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



17.2724, 0.2977, 0.4309



17.2724, 0.2415, 0.3737



17.2724, 0.2064, 0.3062

Triad

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



17.2724, 0.2415, 0.3737



17.2724, 0.2561, 0.2301



17.2724, 0.4421, 0.3832

Complementary

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



17.2724, 0.2415, 0.3737



5.4379, 0.5527, 0.3048

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.



17.2724, 0.4314, 0.3335



17.2724, 0.2415, 0.3737



17.2724, 0.3172, 0.2502

Square

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



17.2724, 0.2415, 0.3737



17.2724, 0.2146, 0.2309



17.2724, 0.3835, 0.2867



17.2724, 0.4148, 0.4269

Rectangle

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



17.2724, 0.2415, 0.3737



17.2724, 0.1976, 0.2698



17.2724, 0.3835, 0.2867



17.2724, 0.4431, 0.3668

Sweetspot

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



17.2731, 0.2415, 0.3737



35.1408, 0.2822, 0.3405



16.4916, 0.3121, 0.5698



7.8663, 0.2790, 0.3419



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.



17.2731, 0.2415, 0.3737



29.9789, 0.2402, 0.3848



10.0470, 0.2061, 0.2442



4.8744, 0.3014, 0.3328



16.3337, 0.2398, 0.3834



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.4379, 0.5527, 0.3048



8.4482, 0.6126, 0.3148



7.5859, 0.5386, 0.3806



4.3556, 0.3253, 0.3253



4.6093, 0.6076, 0.3121



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.2724, 0.2415, 0.3737 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 17.2724, 0.2415, 0.3737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

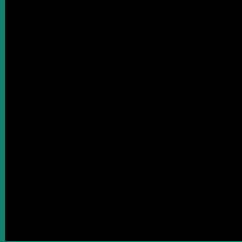
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2724, 0.2415, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 17.2724, 0.2415, 0.3737.

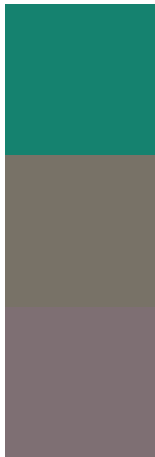


This preview shows how white text looks on a background with the Yxy color 17.2724, 0.2415, 0.3737.

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

17.2724, 0.2415, 0.3737

Protanopia

17.0070, 0.3344, 0.3508

Deuteranopia

17.0423, 0.3279, 0.3214



Tritanopia

17.1993, 0.2286, 0.3050

Trichromacy



Original Color

17.2724, 0.2415, 0.3737

Protanomaly

16.3584, 0.2855, 0.3600

Deuteranomaly

16.2465, 0.2813, 0.3376

Tritanomaly

17.0773, 0.2322, 0.3265

Monochromacy



Original Color

17.2724, 0.2415, 0.3737

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

12.8937, 0.2710, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2724, 0.2415, 0.3737 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(21, 130, 111)` looks like.

```
.text, #text, p{  
    color:rgb(21, 130, 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(21, 130, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 130, 111) }
```

Border

The CSS property to change the border of an element to Yxy 17.2724, 0.2415, 0.3737 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(21, 130, 111) }
```

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

```
.border{ border-color:rgb(21, 130, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 130, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 130, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 130, 111);  
box-shadow:4px 4px 4px 4px rgb(21, 130,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2724, 0.2415, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 130, 111) }
```

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

```
.background{ background-color: rgb(21, 130,  
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](#).

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