

Converting Colors

$Y_{xy}(15.7733, 0.2468, 0.3787)$

Have a look what the booklet for
Yxy(15.7733, 0.2468, 0.3787)
contains.

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Color

$Y_{xy}(15.6908, 0.2467, 0.3779)$

Conversions

Conversions Part 1

Format	Color
Hex	1E7C68
RGB	30, 124, 104
RGB Percent	12%, 49%, 41%
CMY	0.8821, 0.5137, 0.5921
CMYK	0.76, 0.00, 0.16, 0.51
HSL	167°, 61%, 30%
HSV	167°, 76%, 49%
XYZ	10.2432, 15.6908, 15.5870
YIQ	93.6140, -49.6040, -26.1480

Conversions

Conversions Part 2

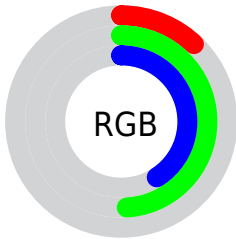
Format	Color
RYB	30, 83, 124
Decimal	1997928
CIELab	46.57, -31.74, 3.25
CIELCh	47, 31.906, 174.156
Yxy	15.6908, 0.2467, 0.3779
Android (android.graphics.Color)	4280188008 (0xFF1E7C68)
YUV	93.6140, 5.1203, -55.7895
Hunter-Lab	39.6116, -23.1617, 4.3978

Details

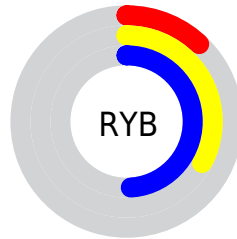
The Yxy color **15.6908, 0.2467, 0.3779** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.4474, 0.5088, 0.2963**, and the grayscale version is **11.0985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9845, 0.2627, 0.3656**, and **5.1930, 0.2436, 0.3968** is the 20% darker color. If you saturate the color by 10%, you get **15.4870, 0.2443, 0.3854**, and if you desaturate by 10%, it is **15.9710, 0.2509, 0.3704**.

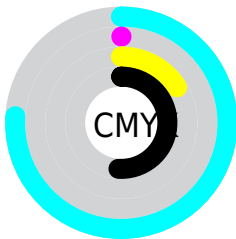
Distribution



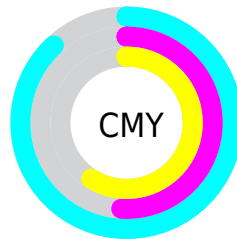
- Red (12%)
- Green (49%)
- Blue (41%)



- Red (12%)
- Yellow (33%)
- Blue (49%)



- Cyan (76%)
- Magenta (0%)
- Yellow (16%)
- Black (51%)





- Cyan (88%)
- Magenta (51%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6908, 0.2467, 0.3779 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 15.6908, 0.2467, 0.3779 by changing the saturation by 10% instead.


 15.6908, 0.2467,
0.3779


 15.6908, 0.2467,
0.3779

227.5102, 0.2857,
0.3486


 9.3056, 0.2342,
0.3876


 36.0606, 0.2627,
0.3657

 4.9411, 0.2161,
0.4019

 50.8140, 0.2681,
0.3617


 2.2127, 0.1874,
0.4253

 69.1256, 0.2724,
0.3584

 0.7269, 0.0000,
0.5629

 91.3797, 0.2760,
0.3558

 0.0000, 0.0000,
0.0000

 117.9609, 0.2790,
0.3535

 149.2534, 0.2816,

0.3516

185.6417, 0.2838,
0.3500

■ 15.6908, 0.2467,
0.3779

■ 15.6908, 0.2467,
0.3779

■ 15.4870, 0.2443,
0.3854

■ 15.9710, 0.2509,
0.3704

■ 15.3445, 0.2436,
0.3929

■ 16.3334, 0.2568,
0.3632

■ 15.2893, 0.2434,
0.3961

■ 16.7855, 0.2644,
0.3561

■ 17.3333, 0.2733,
0.3494

■ 17.9824, 0.2833,
0.3431

■ 18.7377, 0.2943,
0.3372

■ 19.6041, 0.3059,
0.3319

■ 20.5861, 0.3178,
0.3270

■ 21.6877, 0.3300,
0.3226

Harmonies

Analogous

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



15.6908, 0.3030, 0.4314



15.6908, 0.2467, 0.3779



15.6908, 0.2103, 0.3117

Triad

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



15.6908, 0.2467, 0.3779



15.6908, 0.2533, 0.2312



15.6908, 0.4401, 0.3787

Complementary

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



15.6908, 0.2467, 0.3779



5.4474, 0.5088, 0.2963

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.



15.6908, 0.4263, 0.3298



15.6908, 0.2467, 0.3779



15.6908, 0.3120, 0.2494

Square

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



15.6908, 0.2467, 0.3779



15.6908, 0.2143, 0.2338



15.6908, 0.3773, 0.2843



15.6908, 0.4161, 0.4223

Rectangle

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



15.6908, 0.2467, 0.3779



15.6908, 0.2002, 0.2748



15.6908, 0.3773, 0.2843



15.6908, 0.4399, 0.3625

Sweetspot

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



15.6914, 0.2467, 0.3779



31.9232, 0.2857, 0.3418



15.1976, 0.3172, 0.5491



7.4288, 0.2824, 0.3436



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



15.6914, 0.2467, 0.3779



27.0640, 0.2437, 0.3910



10.3524, 0.2151, 0.2624



4.4985, 0.3020, 0.3336



15.5432, 0.2434, 0.3962



74.0145, 0.2445, 0.4001

Inverse Universe

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



5.4474, 0.5088, 0.2963



8.0612, 0.5737, 0.3027



7.2734, 0.5158, 0.3754



4.0277, 0.3247, 0.3245



4.4335, 0.5965, 0.3060



21.0433, 0.6081, 0.3124

Previews

White Background



This preview shows how the Yxy color 15.6908, 0.2467, 0.3779 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 15.6908, 0.2467, 0.3779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

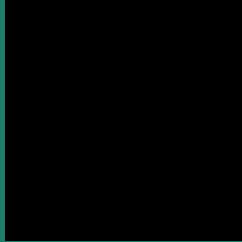
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.6908, 0.2467, 0.3779

Background



This preview shows how black text looks on a background with the Yxy color 15.6908, 0.2467, 0.3779.



This preview shows how white text looks on a background with the Yxy color 15.6908, 0.2467, 0.3779.

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

15.6908, 0.2467, 0.3779

Protanopia

15.4266, 0.3380, 0.3559

Deuteranopia

15.4557, 0.3312, 0.3251



Tritanopia

15.6025, 0.2322, 0.3063

Trichromacy



Original Color

15.6908, 0.2467, 0.3779

Protanomaly

14.8203, 0.2924, 0.3634

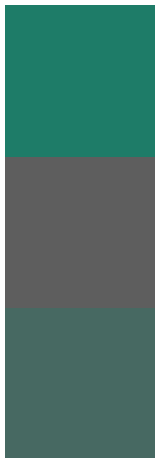
Deuteranomaly

14.9465, 0.2882, 0.3423

Tritanomaly

15.5063, 0.2367, 0.3288

Monochromacy



Original Color

15.6908, 0.2467, 0.3779

Achromatopsia

11.1932, 0.3127, 0.3290

Achromatomaly

12.3246, 0.2769, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6908, 0.2467, 0.3779 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(30, 124, 104)` looks like.

```
.text, #text, p{  
  color:rgb(30, 124, 104)  
}
```

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(30, 124, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 124, 104) }
```

Border

The CSS property to change the border of an element to Yxy 15.6908, 0.2467, 0.3779 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(30, 124, 104) }
```

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

```
.border{ border-color:rgb(30, 124, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 124, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 124, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 124, 104);  
box-shadow:4px 4px 4px 4px rgb(30, 124,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 15.6908, 0.2467, 0.3779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 124, 104) }
```

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

```
.background{ background-color: rgb(30, 124,  
104) }
```

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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