

Converting Colors

$Y_{xy}(15.8320, 0.2779, 0.3468)$

Have a look what the booklet for
Yxy(15.8320, 0.2779, 0.3468)
contains.

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Color

Yxy(15.8320, 0.2779, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	51766E
RGB	81, 118, 110
RGB Percent	32%, 46%, 43%
CMY	0.6823, 0.5373, 0.5687
CMYK	0.31, 0.00, 0.07, 0.54
HSL	167°, 19%, 39%
HSV	167°, 31%, 46%
XYZ	12.6866, 15.8320, 17.1331
YIQ	106.0250, -19.4840, -10.3320

Conversions

Conversions Part 2

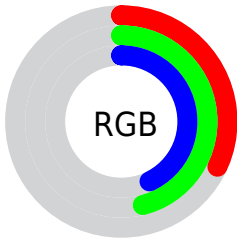
Format	Color
R_{YB}	81, 102, 118
Decimal	5338734
CIE _{Lab}	46.75, -14.96, 0.22
CIE _{LCh}	47, 14.962, 179.155
Yxy	15.8320, 0.2779, 0.3468
Android (android.graphics.Color)	4283528814 (0xFF51766E)
YUV	106.0250, 1.9597, -21.9469
Hunter-Lab	39.7894, -12.7180, 2.3227

Details

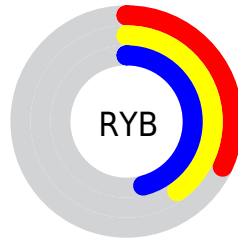
The Yxy color **15.8320, 0.2779, 0.3468** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4616, 0.3646, 0.3121**, and the grayscale version is **14.4199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2636, 0.2862, 0.3413**, and **5.0793, 0.2618, 0.3549** is the 20% darker color. If you saturate the color by 10%, you get **15.3007, 0.2685, 0.3534**, and if you desaturate by 10%, it is **16.4568, 0.2883, 0.3406**.

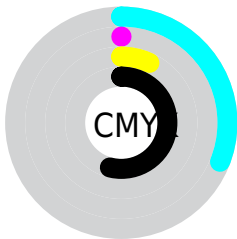
Distribution



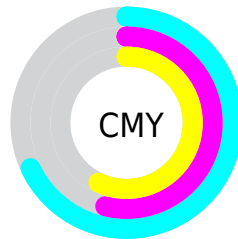
- Red (32%)
- Green (46%)
- Blue (43%)



- Red (32%)
- Yellow (40%)
- Blue (46%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (54%)




- Cyan (68%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.8320, 0.2779, 0.3468 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 15.8320, 0.2779, 0.3468 by changing the saturation by 10% instead.


 15.8320, 0.2779,
0.3468


 15.8320, 0.2779,
0.3468


228.3483, 0.2984,
0.3363

 9.4054, 0.2714,
0.3502


 36.3063, 0.2863,
0.3425


 5.0065, 0.2618,
0.3551

 51.1227, 0.2891,
0.3411


 2.2511, 0.2465,
0.3629

 69.5046, 0.2914,
0.3399

 0.7476, 0.1826,
0.3952

 91.8362, 0.2933,
0.3389

 0.0000, 0.0000,
0.0000

 118.5020, 0.2949,
0.3381

149.8863, 0.2962,

0.3374

186.3737, 0.2974,
0.3368

■ 15.8320, 0.2779,
0.3468

■ 15.8320, 0.2779,
0.3468

■ 15.3007, 0.2685,
0.3534

■ 16.4568, 0.2883,
0.3406

■ 14.8564, 0.2604,
0.3604

■ 17.1775, 0.2995,
0.3349

■ 14.4944, 0.2537,
0.3677


■ 17.9989, 0.3111,
0.3297


■ 14.2092, 0.2488,
0.3752

■ 18.9248, 0.3231,
0.3249


■ 13.9943, 0.2456,
0.3829

■ 19.9588, 0.3352,
0.3207

 13.8424, 0.2441,
0.3905

 21.1045, 0.3471,
0.3169

 13.7369, 0.2437,
0.3971

 22.3651, 0.3589,
0.3136

 23.7438, 0.3705,
0.3107

 25.2437, 0.3816,
0.3081

Harmonies

Analogous

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



15.8320, 0.3048, 0.3711



15.8320, 0.2779, 0.3468



15.8320, 0.2606, 0.3181

Triad

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



15.8320, 0.2779, 0.3468



15.8320, 0.2890, 0.2807



15.8320, 0.3720, 0.3599

Complementary

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



15.8320, 0.2779, 0.3468



10.4616, 0.3646, 0.3121

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.



15.8320, 0.3677, 0.3358



15.8320, 0.2779, 0.3468



15.8320, 0.3185, 0.2916

Square

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



15.8320, 0.2779, 0.3468



15.8320, 0.2668, 0.2814



15.8320, 0.3477, 0.3113



15.8320, 0.3596, 0.3774

Rectangle

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



15.8320, 0.2779, 0.3468



15.8320, 0.2564, 0.3013



15.8320, 0.3477, 0.3113



15.8320, 0.3725, 0.3522

Sweetspot

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



15.8326, 0.2779, 0.3468



30.4937, 0.3019, 0.3337



15.7076, 0.3194, 0.4130



6.9736, 0.3005, 0.3344



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.8326, 0.2779, 0.3468



27.1128, 0.2707, 0.3518



13.8129, 0.2675, 0.3068



4.1423, 0.3021, 0.3336



14.8593, 0.2437, 0.3974



72.2808, 0.2449, 0.4015

Inverse Universe

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



10.4616, 0.3646, 0.3121



16.0030, 0.3828, 0.3079



11.9081, 0.3730, 0.3501



3.7127, 0.3245, 0.3244



4.2439, 0.5948, 0.3051



20.5738, 0.6069, 0.3117

Previews

White Background



This preview shows how the Yxy color 15.8320, 0.2779, 0.3468 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 15.8320, 0.2779, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

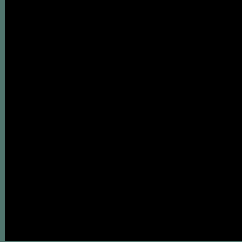
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.8320, 0.2779, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 15.8320, 0.2779, 0.3468.



This preview shows how white text looks on a background with the Yxy color 15.8320, 0.2779, 0.3468.

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

15.8320, 0.2779, 0.3468

Protanopia

15.7492, 0.3245, 0.3392

Deuteranopia

15.6783, 0.3243, 0.3192



Tritanopia

15.8563, 0.2657, 0.3097

Trichromacy



Original Color

15.8320, 0.2779, 0.3468

Protanomaly

15.6966, 0.3056, 0.3417

Deuteranomaly

15.5807, 0.3061, 0.3290

Tritanomaly

15.9176, 0.2697, 0.3224

Monochromacy



Original Color

15.8320, 0.2779, 0.3468

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7548, 0.2992, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8320, 0.2779, 0.3468 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(81, 118, 110)` looks like.

```
.text, #text, p{  
    color:rgb(81, 118, 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(81, 118, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 118, 110) }
```

Border

The CSS property to change the border of an element to Yxy 15.8320, 0.2779, 0.3468 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(81, 118, 110) }
```

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

```
.border{ border-color:rgb(81, 118, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 118, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 118, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 118, 110);  
box-shadow:4px 4px 4px 4px rgb(81, 118,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8320, 0.2779, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 118, 110) }
```

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

```
.background{ background-color: rgb(81, 118,  
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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