

Converting Colors

$Y_{xy}(15.7243, 0.2737, 0.3446)$

Have a look what the booklet for
Yxy(15.7243, 0.2737, 0.3446)
contains.

Yxy(15.7243, 0.2737, 0.3446)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.7243, 0.2737, 0.3446)

Conversions

Conversions Part 1

Format	Color
Hex	4E766F
RGB	78, 118, 111
RGB Percent	31%, 46%, 44%
CMY	0.6942, 0.5372, 0.5647
CMYK	0.34, 0.00, 0.06, 0.54
HSL	170°, 20%, 38%
HSV	170°, 34%, 46%
XYZ	12.4891, 15.7243, 17.4172
YIQ	105.2420, -21.5930, -10.6570

Conversions

Conversions Part 2

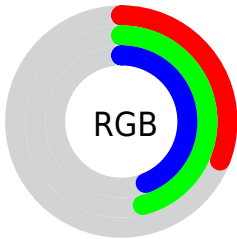
Format	Color
R_{YB}	78, 100, 118
Decimal	5142127
CIE _{Lab}	46.61, -15.68, -0.62
CIE _{LCh}	47, 15.691, 182.260
Yxy	15.7243, 0.2737, 0.3446
Android (android.graphics.Color)	4283332207 (0xFF4E766F)
YUV	105.2420, 2.8387, -23.8912
Hunter-Lab	39.6539, -13.1752, 1.7157

Details

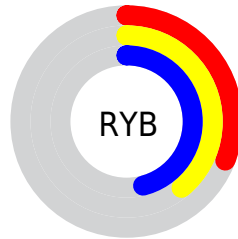
The Yxy color **15.7243, 0.2737, 0.3446** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9549, 0.3736, 0.3142**, and the grayscale version is **14.1919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0609, 0.2830, 0.3398**, and **4.8911, 0.2560, 0.3516** is the 20% darker color. If you saturate the color by 10%, you get **15.2256, 0.2642, 0.3500**, and if you desaturate by 10%, it is **16.3148, 0.2843, 0.3396**.

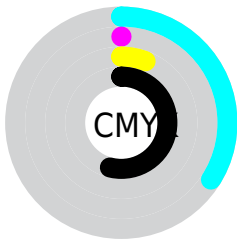
Distribution



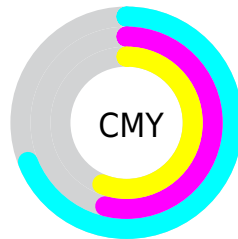
- Red (31%)
- Green (46%)
- Blue (44%)



- Red (31%)
- Yellow (39%)
- Blue (46%)



- Cyan (34%)
- Magenta (0%)
- Yellow (6%)
- Black (54%)




- Cyan (69%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7243, 0.2737, 0.3446 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 15.7243, 0.2737, 0.3446 by changing the saturation by 10% instead.


 15.7243, 0.2737,
0.3446


 15.7243, 0.2737,
0.3446


227.7093, 0.2966,
0.3355


 9.3293, 0.2664,
0.3475


 36.1189, 0.2831,
0.3409


 4.9566, 0.2557,
0.3516

 50.8873, 0.2862,
0.3396

 2.2218, 0.2388,
0.3582

 69.2156, 0.2888,
0.3386

 0.7318, 0.1660,
0.3883

 91.4881, 0.2909,
0.3378

 0.0000, 0.0000,
0.0000

 118.0894, 0.2927,
0.3371

149.4038, 0.2942,

0.3365

185.8156, 0.2955,
0.3359

■ 15.7243, 0.2737,
0.3446

■ 15.7243, 0.2737,
0.3446

■ 15.2256, 0.2642,
0.3500

■ 16.3148, 0.2843,
0.3396

■ 14.8119, 0.2561,
0.3556

■ 16.9996, 0.2958,
0.3349

■ 14.4787, 0.2496,
0.3614

■ 17.7835, 0.3079,
0.3306

■ 14.2201, 0.2448,
0.3674

■ 18.6704, 0.3204,
0.3267

■ 14.0296, 0.2417,
0.3734

■ 19.6640, 0.3330,
0.3232

■ 13.8979, 0.2403,
0.3794

■ 20.7677, 0.3457,
0.3200

■ 13.8277, 0.2398,
0.3831

■ 21.9849, 0.3582,
0.3172

■ 23.3189, 0.3705,
0.3148

■ 24.7726, 0.3824,
0.3127

Harmonies

Analogous

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



15.7243, 0.3011, 0.3712



15.7243, 0.2737, 0.3446



15.7243, 0.2570, 0.3145

Triad

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



15.7243, 0.2737, 0.3446



15.7243, 0.2907, 0.2791



15.7243, 0.3744, 0.3636

Complementary

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



15.7243, 0.2737, 0.3446



9.9549, 0.3736, 0.3142

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.



15.7243, 0.3718, 0.3387



15.7243, 0.2737, 0.3446



15.7243, 0.3221, 0.2915

Square

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



15.7243, 0.2737, 0.3446



15.7243, 0.2664, 0.2784



15.7243, 0.3523, 0.3129



15.7243, 0.3597, 0.3811

Rectangle

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



15.7243, 0.2737, 0.3446



15.7243, 0.2536, 0.2975



15.7243, 0.3523, 0.3129



15.7243, 0.3756, 0.3558

Sweetspot

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



15.7249, 0.2737, 0.3446



30.3726, 0.3001, 0.3333



15.4543, 0.3172, 0.4216



6.9492, 0.2988, 0.3337



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.



15.7249, 0.2737, 0.3446



26.9235, 0.2659, 0.3489



13.0985, 0.2633, 0.3000



4.1448, 0.3016, 0.3327



14.9569, 0.2398, 0.3833



72.7747, 0.2407, 0.3865

Inverse Universe

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



9.9549, 0.3736, 0.3142



15.0746, 0.3952, 0.3107



11.8261, 0.3781, 0.3561



3.7104, 0.3251, 0.3253



4.2225, 0.6065, 0.3115



20.4852, 0.6173, 0.3174

Previews

White Background



This preview shows how the Yxy color 15.7243, 0.2737, 0.3446 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 15.7243, 0.2737, 0.3446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

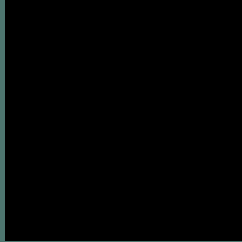
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7243, 0.2737, 0.3446

Background



This preview shows how black text looks on a background with the Yxy color 15.7243, 0.2737, 0.3446.



This preview shows how white text looks on a background with the Yxy color 15.7243, 0.2737, 0.3446.

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

15.7243, 0.2737, 0.3446

Protanopia

15.7032, 0.3218, 0.3372

Deuteranopia

15.6296, 0.3216, 0.3172



Tritanopia

15.7208, 0.2626, 0.3095

Trichromacy



Original Color

15.7243, 0.2737, 0.3446

Protanomaly

15.6023, 0.3019, 0.3396

Deuteranomaly

15.4818, 0.3023, 0.3269

Tritanomaly

15.7841, 0.2667, 0.3223

Monochromacy



Original Color

15.7243, 0.2737, 0.3446

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.6463, 0.2967, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7243, 0.2737, 0.3446 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(78, 118, 111)` looks like.

```
.text, #text, p{  
    color:rgb(78, 118, 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(78, 118, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 118, 111) }
```

Border

The CSS property to change the border of an element to Yxy 15.7243, 0.2737, 0.3446 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(78, 118, 111) }
```

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

```
.border{ border-color:rgb(78, 118, 111) }
```

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

Here you see how a box with a 4 pixel rgb(78, 118, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 118, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 118, 111);  
box-shadow:4px 4px 4px 4px rgb(78, 118,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7243, 0.2737, 0.3446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 118, 111) }
```

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

```
.background{ background-color: rgb(78, 118,  
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](#).

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