

Converting Colors

$Y_{xy}(15.8736, 0.2678, 0.3637)$

Have a look what the booklet for
Yxy(15.8736, 0.2678, 0.3637)
contains.

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Color

Yxy(15.8736, 0.2678, 0.3637)

Conversions

Conversions Part 1

Format	Color
Hex	42796A
RGB	66, 121, 106
RGB Percent	26%, 47%, 42%
CMY	0.7410, 0.5255, 0.5843
CMYK	0.45, 0.00, 0.12, 0.53
HSL	164°, 29%, 37%
HSV	164°, 45%, 47%
XYZ	11.6881, 15.8736, 16.0831
YIQ	102.8450, -27.9650, -16.3250

Conversions

Conversions Part 2

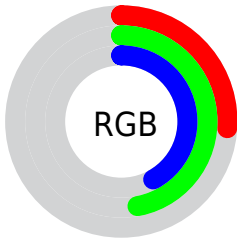
Format	Color
RYB	66, 98, 121
Decimal	4356458
CIELab	46.81, -22.08, 2.57
CIELCh	47, 22.234, 173.368
Yxy	15.8736, 0.2678, 0.3637
Android (android.graphics.Color)	4282546538 (0xFF42796A)
YUV	102.8450, 1.5554, -32.3131
Hunter-Lab	39.8417, -17.3577, 3.9553

Details

The Yxy color **15.8736, 0.2678, 0.3637** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.5618, 0.3940, 0.2980**, and the grayscale version is **13.5251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4883, 0.2787, 0.3560**, and **5.0287, 0.2464, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **15.4297, 0.2607, 0.3729**, and if you desaturate by 10%, it is **16.4103, 0.2762, 0.3550**.

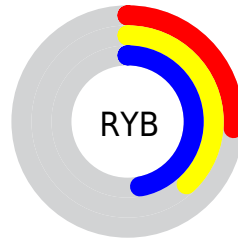
Distribution



Red (26%)

Green (47%)

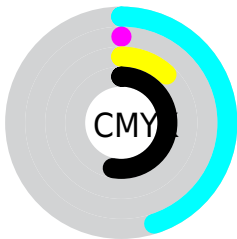
Blue (42%)



Red (26%)

Yellow (38%)

Blue (47%)

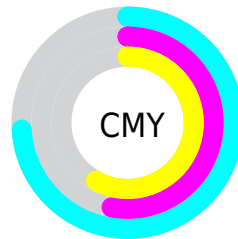


Cyan (45%)

Magenta (0%)

Yellow (12%)

Black (53%)



Cyan (74%)


Magenta (53%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8736, 0.2678, 0.3637 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 15.8736, 0.2678, 0.3637 by changing the saturation by 10% instead.


 15.8736, 0.2678,
0.3637


 15.8736, 0.2678,
0.3637


228.5947, 0.2943,
0.3430


 9.4348, 0.2593,
0.3705


 36.3786, 0.2787,
0.3551


 5.0258, 0.2468,
0.3806

 51.2136, 0.2824,
0.3523


 2.2624, 0.2268,
0.3971

 69.6161, 0.2853,
0.3500

 0.7537, 0.1127,
0.4794

 91.9704, 0.2878,
0.3481

 0.0000, 0.0000,
0.0000

 118.6611, 0.2898,
0.3465

150.0724, 0.2915,

0.3452

186.5888, 0.2930,
0.3440

■ 15.8736, 0.2678,
0.3637

■ 15.8736, 0.2678,
0.3637

■ 15.4297, 0.2607,
0.3729

■ 16.4103, 0.2762,
0.3550

■ 15.0712, 0.2552,
0.3824

■ 17.0432, 0.2857,
0.3469

■ 14.7921, 0.2514,
0.3922

■ 17.7777, 0.2959,
0.3393

■ 14.5855, 0.2494,
0.4021

■ 18.6182, 0.3067,
0.3325

■ 14.4389, 0.2490,
0.4119

■ 19.5689, 0.3178,
0.3262

■ 14.3777, 0.2490,
0.4165

■ 20.6339, 0.3291,
0.3206

■ 21.8169, 0.3403,
0.3156

■ 23.1215, 0.3514,
0.3112

■ 24.5511, 0.3621,
0.3073

Harmonies

Analogous

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



15.8736, 0.3086, 0.3984



15.8736, 0.2678, 0.3637



15.8736, 0.2402, 0.3197

Triad

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



15.8736, 0.2678, 0.3637



15.8736, 0.2701, 0.2581



15.8736, 0.4017, 0.3661

Complementary

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



15.8736, 0.2678, 0.3637



8.5618, 0.3940, 0.2980

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.



15.8736, 0.3906, 0.3305



15.8736, 0.2678, 0.3637



15.8736, 0.3118, 0.2709

Square

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



15.8736, 0.2678, 0.3637



15.8736, 0.2416, 0.2615



15.8736, 0.3568, 0.2967



15.8736, 0.3869, 0.3957

Rectangle

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



15.8736, 0.2678, 0.3637



15.8736, 0.2319, 0.2935



15.8736, 0.3568, 0.2967



15.8736, 0.4009, 0.3545

Sweetspot

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



15.8742, 0.2678, 0.3637



31.9882, 0.2970, 0.3386



15.8444, 0.3244, 0.4561



7.2572, 0.2952, 0.3398



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.8742, 0.2678, 0.3637



27.6372, 0.2608, 0.3728



13.4971, 0.2497, 0.3014



4.4947, 0.3027, 0.3349



15.4073, 0.2491, 0.4168



73.3456, 0.2505, 0.4219

Inverse Universe

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



8.5618, 0.3940, 0.2980



12.8534, 0.4224, 0.2920



9.9011, 0.4146, 0.3542



4.0314, 0.3238, 0.3232



4.4723, 0.5774, 0.2955



21.2080, 0.5902, 0.3025

Previews

White Background



This preview shows how the Yxy color 15.8736, 0.2678, 0.3637 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 15.8736, 0.2678, 0.3637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

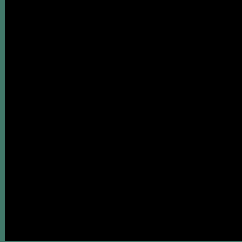
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.8736, 0.2678, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 15.8736, 0.2678, 0.3637.



This preview shows how white text looks on a background with the Yxy color 15.8736, 0.2678, 0.3637.

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

15.8736, 0.2678, 0.3637

Protanopia

15.7168, 0.3324, 0.3495

Deuteranopia

15.7571, 0.3310, 0.3251



Tritanopia

15.8669, 0.2530, 0.3093

Trichromacy



Original Color

15.8736, 0.2678, 0.3637

Protanomaly

15.5353, 0.3051, 0.3551

Deuteranomaly

15.4958, 0.3045, 0.3375

Tritanomaly

15.8277, 0.2587, 0.3288

Monochromacy



Original Color

15.8736, 0.2678, 0.3637

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.3250, 0.2938, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8736, 0.2678, 0.3637 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(66, 121, 106)` looks like.

```
.text, #text, p{  
    color:rgb(66, 121, 106)  
}
```

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(66, 121, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 121, 106) }
```

Border

The CSS property to change the border of an element to Yxy 15.8736, 0.2678, 0.3637 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(66, 121, 106) }
```

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

```
.border{ border-color:rgb(66, 121, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 121, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 121, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 121, 106);  
box-shadow:4px 4px 4px 4px rgb(66, 121,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8736, 0.2678, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 121, 106) }
```

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

```
.background{ background-color: rgb(66, 121,  
106) }
```

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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