

Converting Colors

$Y_{xy}(14.7439, 0.2500, 0.3744)$

Have a look what the booklet for
Yxy(14.7439, 0.2500, 0.3744)
contains.

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Color

Yxy(14.7856, 0.2496, 0.3737)

Conversions

Conversions Part 1

Format	Color
Hex	257866
RGB	37, 120, 102
RGB Percent	15%, 47%, 40%
CMY	0.8552, 0.5294, 0.6000
CMYK	0.69, 0.00, 0.15, 0.53
HSL	167°, 53%, 31%
HSV	167°, 69%, 47%
XYZ	9.8755, 14.7856, 14.9043
YIQ	93.1310, -43.6900, -23.1940

Conversions

Conversions Part 2

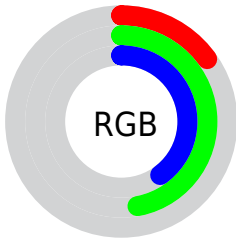
Format	Color
R_{YB}	37, 84, 120
Decimal	2455654
CIE _{Lab}	45.34, -29.33, 2.68
CIE _{LCh}	45, 29.456, 174.773
Yxy	14.7856, 0.2496, 0.3737
Android (android.graphics.Color)	4280645734 (0xFF257866)
YUV	93.1310, 4.3724, -49.2269
Hunter-Lab	38.4520, -21.4474, 3.9352

Details

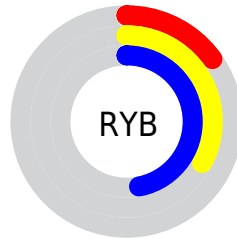
The Yxy color **14.7856, 0.2496, 0.3737** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.5869, 0.4815, 0.2958**, and the grayscale version is **10.9710, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5142, 0.2648, 0.3626**, and **4.7823, 0.2431, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **14.5492, 0.2460, 0.3813**, and if you desaturate by 10%, it is **15.0978, 0.2549, 0.3662**.

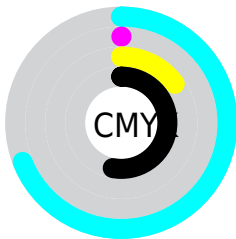
Distribution



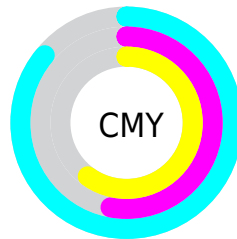
- Red (15%)
- Green (47%)
- Blue (40%)



- Red (15%)
- Yellow (33%)
- Blue (47%)



- Cyan (69%)
- Magenta (0%)
- Yellow (15%)
- Black (53%)



- Cyan (86%)
- Magenta (53%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.7856, 0.2496, 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 14.7856, 0.2496, 0.3737 by changing the saturation by 10% instead.


 14.7856, 0.2496,
0.3737


 14.7856, 0.2496,
0.3737


222.0648, 0.2871,
0.3468

 8.6691, 0.2374,
0.3827


 34.4766, 0.2651,
0.3625


 4.5260, 0.2195,
0.3961

 48.8199, 0.2703,
0.3587


 1.9719, 0.1908,
0.4183

 66.6742, 0.2745,
0.3557

 0.5911, 0.0000,
0.5645

 88.4239, 0.2779,
0.3533

 0.0000, 0.0000,
0.0000

 114.4534, 0.2808,
0.3513

 145.1471, 0.2832,

0.3495

180.8895, 0.2853,
0.3481

■ 14.7856, 0.2496,
0.3737

■ 14.7856, 0.2496,
0.3737

■ 14.5492, 0.2460,
0.3813

■ 15.0978, 0.2549,
0.3662

■ 14.3793, 0.2443,
0.3889

■ 15.4904, 0.2619,
0.3590

■ 14.2527, 0.2437,
0.3966

■ 15.9699, 0.2703,
0.3520

■ 14.2432, 0.2437,
0.3972

■ 16.5415, 0.2800,
0.3455

■ 17.2101, 0.2905,
0.3394

■ 17.9800, 0.3019,
0.3338

■ 18.8556, 0.3136,
0.3286

■ 19.8407, 0.3256,
0.3240

■ 20.9392, 0.3377,
0.3199

Harmonies

Analogous

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



14.7856, 0.3028, 0.4241



14.7856, 0.2496, 0.3737



14.7856, 0.2153, 0.3119

Triad

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



14.7856, 0.2496, 0.3737



14.7856, 0.2576, 0.2363



14.7856, 0.4327, 0.3777

Complementary

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



14.7856, 0.2496, 0.3737



5.5869, 0.4815, 0.2958

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.



14.7856, 0.4203, 0.3312



14.7856, 0.2496, 0.3737



14.7856, 0.3135, 0.2540

Square

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



14.7856, 0.2496, 0.3737



14.7856, 0.2199, 0.2386



14.7856, 0.3748, 0.2876



14.7856, 0.4098, 0.4183

Rectangle

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



14.7856, 0.2496, 0.3737



14.7856, 0.2059, 0.2773



14.7856, 0.3748, 0.2876



14.7856, 0.4327, 0.3623

Sweetspot

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



14.7862, 0.2496, 0.3737



29.9817, 0.2881, 0.3407



14.4177, 0.3200, 0.5304



7.0426, 0.2857, 0.3421



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.



14.7862, 0.2496, 0.3737



25.3990, 0.2448, 0.3857



10.4556, 0.2220, 0.2730



4.4983, 0.3020, 0.3337



15.5340, 0.2438, 0.3975



73.9692, 0.2449, 0.4014

Inverse Universe

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



5.5869, 0.4815, 0.2958



8.0520, 0.5426, 0.2976



7.2625, 0.4936, 0.3715



4.0280, 0.3246, 0.3244



4.4357, 0.5954, 0.3054



21.0526, 0.6071, 0.3118

Previews

White Background



This preview shows how the Yxy color 14.7856, 0.2496, 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 14.7856, 0.2496, 0.3737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

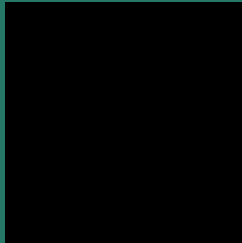
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.7856, 0.2496, 0.3737

Background



This preview shows how black text looks on a background with the Yxy color 14.7856, 0.2496, 0.3737.



This preview shows how white text looks on a background with the Yxy color 14.7856, 0.2496, 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

14.7856, 0.2496, 0.3737

Protanopia

14.5138, 0.3344, 0.3524

Deuteranopia

14.5230, 0.3288, 0.3229



Tritanopia

14.8573, 0.2353, 0.3082

Trichromacy



Original Color

14.7856, 0.2496, 0.3737

Protanomaly

14.1355, 0.2934, 0.3592

Deuteranomaly

14.0319, 0.2901, 0.3380

Tritanomaly

14.7767, 0.2404, 0.3312

Monochromacy



Original Color

14.7856, 0.2496, 0.3737

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.9615, 0.2811, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.7856, 0.2496, 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(37, 120, 102)` looks like.

```
.text, #text, p{  
    color:rgb(37, 120, 102)  
}
```

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(37, 120, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 120, 102) }
```

Border

The CSS property to change the border of an element to Yxy 14.7856, 0.2496, 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(37, 120, 102) }
```

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

```
.border{ border-color:rgb(37, 120, 102) }
```

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

Here you see how a box with a 4 pixel rgb(37, 120, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 120, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 120, 102);  
box-shadow:4px 4px 4px 4px rgb(37, 120,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 14.7856, 0.2496, 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(37, 120, 102) }
```

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

```
.background{ background-color: rgb(37, 120,  
102) }
```

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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