

Converting Colors

$Y_{xy}(15.1801, 0.2634, 0.3424)$

Have a look what the booklet for
Yxy(15.1801, 0.2634, 0.3424)
contains.

Yxy(15.0992, 0.2636, 0.3427)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(15.0992, 0.2636, 0.3427)$

Conversions

Conversions Part 1

Format	Color
Hex	44756F
RGB	68, 117, 111
RGB Percent	27%, 46%, 44%
CMY	0.7334, 0.5412, 0.5646
CMYK	0.42, 0.00, 0.05, 0.54
HSL	173°, 27%, 36%
HSV	173°, 42%, 46%
XYZ	11.6141, 15.0992, 17.3462
YIQ	101.6650, -27.2780, -12.2540

Conversions

Conversions Part 2

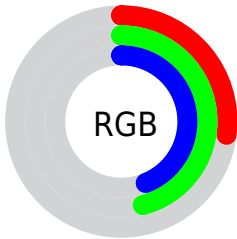
Format	Color
RYB	68, 94, 117
Decimal	4486511
CIELab	45.77, -18.13, -1.92
CIELCh	46, 18.236, 186.047
Yxy	15.0992, 0.2636, 0.3427
Android (android.graphics.Color)	4282676591 (0xFF44756F)
YUV	101.6650, 4.6022, -29.5242
Hunter-Lab	38.8577, -14.6495, 0.7331

Details

The Yxy color **15.0992, 0.2636, 0.3427** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **8.4081, 0.4002, 0.3163**, and the grayscale version is **13.1877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9422, 0.2751, 0.3384**, and **4.6123, 0.2415, 0.3486** is the 20% darker color. If you saturate the color by 10%, you get **14.6892, 0.2548, 0.3465**, and if you desaturate by 10%, it is **15.5949, 0.2738, 0.3391**.

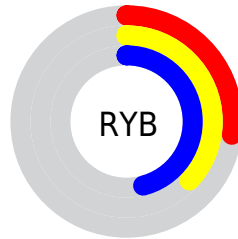
Distribution



Red (27%)

Green (46%)

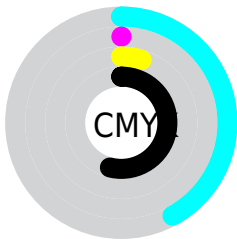
Blue (44%)



Red (27%)

Yellow (37%)

Blue (46%)

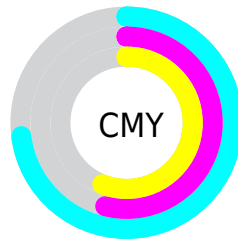


Cyan (42%)

Magenta (0%)

Yellow (5%)

Black (54%)



Cyan (73%)


Magenta (54%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0992, 0.2636, 0.3427 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 15.0992, 0.2636, 0.3427 by changing the saturation by 10% instead.


 15.0992, 0.2636,
0.3427


 15.0992, 0.2636,
0.3427


223.9659, 0.2925,
0.3348


 8.8890, 0.2544,
0.3451


 35.0271, 0.2754,
0.3395


 4.6689, 0.2409,
0.3485

 49.5136, 0.2794,
0.3385


 2.0543, 0.2195,
0.3536

 67.5278, 0.2827,
0.3376

 0.6387, 0.1007,
0.3912

 89.4539, 0.2853,
0.3368

 0.0000, 0.0000,
0.0000

 115.6763, 0.2876,
0.3362

146.5795, 0.2895,

0.3357

182.5479, 0.2911,
0.3352

■ 15.0992, 0.2636,
0.3427

■ 15.0992, 0.2636,
0.3427

■ 14.6892, 0.2548,
0.3465

■ 15.5949, 0.2738,
0.3391

■ 14.3580, 0.2475,
0.3505

■ 16.1791, 0.2851,
0.3356

■ 14.1007, 0.2420,
0.3545


■ 16.8567, 0.2973,
0.3325


■ 13.9110, 0.2382,
0.3586

■ 17.6316, 0.3102,
0.3295

■ 13.7816, 0.2361,
0.3626

■ 18.5077, 0.3235,
0.3269

 13.6971, 0.2350,
0.3659

 19.4885, 0.3370,
0.3245

 20.5773, 0.3504,
0.3224

 21.7776, 0.3637,
0.3205

 23.0922, 0.3768,
0.3188

Harmonies

Analogous

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



15.0992, 0.2943, 0.3759



15.0992, 0.2636, 0.3427



15.0992, 0.2463, 0.3074

Triad

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



15.0992, 0.2636, 0.3427



15.0992, 0.2910, 0.2720



15.0992, 0.3843, 0.3724

Complementary

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



15.0992, 0.2636, 0.3427



8.4081, 0.4002, 0.3163

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.



15.0992, 0.3841, 0.3438



15.0992, 0.2636, 0.3427



15.0992, 0.3284, 0.2880

Square

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



15.0992, 0.2636, 0.3427



15.0992, 0.2613, 0.2691



15.0992, 0.3632, 0.3136



15.0992, 0.3644, 0.3918

Rectangle

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



15.0992, 0.2636, 0.3427



15.0992, 0.2439, 0.2884



15.0992, 0.3632, 0.3136



15.0992, 0.3866, 0.3634

Sweetspot

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



15.0998, 0.2636, 0.3427



29.9984, 0.2955, 0.3329



14.6170, 0.3147, 0.4479



6.8449, 0.2933, 0.3335



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.



15.0998, 0.2636, 0.3427



26.3427, 0.2553, 0.3463



11.4418, 0.2514, 0.2860



4.1480, 0.3010, 0.3316



15.0887, 0.2350, 0.3661



73.4440, 0.2356, 0.3683

Inverse Universe

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



8.4081, 0.4002, 0.3163



12.6797, 0.4313, 0.3138



10.8478, 0.3968, 0.3678



3.7075, 0.3258, 0.3264



4.2012, 0.6188, 0.3183



20.4019, 0.6276, 0.3231

Previews

White Background



This preview shows how the Yxy color 15.0992, 0.2636, 0.3427 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 15.0992, 0.2636, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

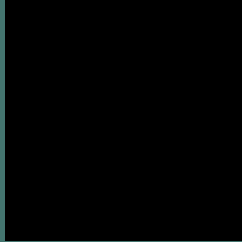
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.0992, 0.2636, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 15.0992, 0.2636, 0.3427.



This preview shows how white text looks on a background with the Yxy color 15.0992, 0.2636, 0.3427.

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

15.0992, 0.2636, 0.3427

Protanopia

14.8710, 0.3182, 0.3311

Deuteranopia

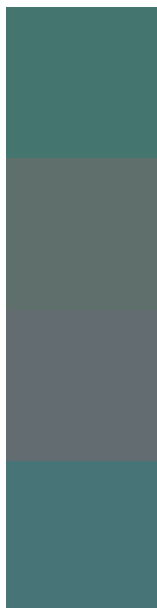
15.0311, 0.3163, 0.3110



Tritanopia

15.0944, 0.2546, 0.3089

Trichromacy



Original Color

15.0992, 0.2636, 0.3427

Protanomaly

14.8845, 0.2955, 0.3355

Deuteranomaly

14.7822, 0.2947, 0.3204

Tritanomaly

15.1623, 0.2586, 0.3221

Monochromacy



Original Color

15.0992, 0.2636, 0.3427

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7090, 0.2925, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0992, 0.2636, 0.3427 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(68, 117, 111)` looks like.

```
.text, #text, p{  
  color:rgb(68, 117, 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(68, 117, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 117, 111) }
```

Border

The CSS property to change the border of an element to Yxy 15.0992, 0.2636, 0.3427 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(68, 117, 111) }
```

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

```
.border{ border-color:rgb(68, 117, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 117, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 117, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 117, 111);  
box-shadow:4px 4px 4px 4px rgb(68, 117,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 15.0992, 0.2636, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 117, 111) }
```

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

```
.background{ background-color: rgb(68, 117,  
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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