

Converting Colors

$Y_{xy}(12.0735, 0.2703, 0.3369)$

Have a look what the booklet for
Yxy(12.0735, 0.2703, 0.3369)
contains.

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Color

Yxy(12.0692, 0.2699, 0.3363)

Conversions

Conversions Part 1

Format	Color
Hex	446865
RGB	68, 104, 101
RGB Percent	27%, 41%, 40%
CMY	0.7331, 0.5922, 0.6039
CMYK	0.35, 0.00, 0.03, 0.59
HSL	175°, 21%, 34%
HSV	175°, 35%, 41%
XYZ	9.6862, 12.0692, 14.1328
YIQ	92.8940, -20.4930, -8.5650

Conversions

Conversions Part 2

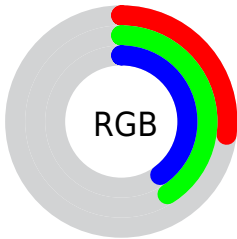
Format	Color
RYB	68, 87, 104
Decimal	4483173
CIELab	41.33, -13.55, -2.43
CIELCh	41, 13.762, 190.152
Yxy	12.0692, 0.2699, 0.3363
Android (android.graphics.Color)	4282673253 (0xFF446865)
YUV	92.8940, 3.9963, -21.8320
Hunter-Lab	34.7408, -11.0279, 0.1990

Details

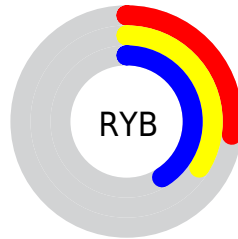
The Yxy color **12.0692, 0.2699, 0.3363** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5389, 0.3809, 0.3221**, and the grayscale version is **10.9174, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5612, 0.2808, 0.3339**, and **3.3520, 0.2488, 0.3421** is the 20% darker color. If you saturate the color by 10%, you get **11.7112, 0.2598, 0.3387**, and if you desaturate by 10%, it is **12.4947, 0.2812, 0.3340**.

Distribution



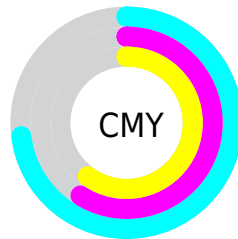
- Red (27%)
- Green (41%)
- Blue (40%)



- Red (27%)
- Yellow (34%)
- Blue (41%)



- Cyan (35%)
- Magenta (0%)
- Yellow (3%)
- Black (59%)



- Cyan (73%)
- Magenta (59%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.0692, 0.2699, 0.3363 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 12.0692, 0.2699, 0.3363 by changing the saturation by 10% instead.

12.0692, 0.2699,
0.3363

12.0692, 0.2699,
0.3363

204.8629, 0.2959,
0.3321

6.7908, 0.2611,
0.3376

29.6211, 0.2808,
0.3346

3.3316, 0.2477,
0.3394

42.6634, 0.2844,
0.3340

1.3072, 0.2253,
0.3419

59.0624, 0.2873,
0.3335

0.1468, 0.0000,
0.3082

79.2026, 0.2896,
0.3332

0.0000, 0.0000,
0.0000

103.4684, 0.2916,
0.3328

132.2441, 0.2932,

0.3325

165.9141, 0.2946,
0.3323

■ 12.0692, 0.2699,
0.3363

■ 12.0692, 0.2699,
0.3363

■ 11.7112, 0.2598,
0.3387

■ 12.4947, 0.2812,
0.3340

■ 11.4157, 0.2511,
0.3413

■ 12.9896, 0.2935,
0.3318

■ 11.1795, 0.2440,
0.3439

■ 13.5573, 0.3066,
0.3299

■ 10.9982, 0.2385,
0.3465

■ 14.2006, 0.3201,
0.3280

■ 10.8670, 0.2348,
0.3492

■ 14.9224, 0.3340,
0.3264

■ 10.7769, 0.2326,
0.3518

■ 15.7251, 0.3479,
0.3249

■ 10.7318, 0.2315,
0.3533

■ 16.6112, 0.3617,
0.3236

■ 17.5831, 0.3753,
0.3225

■ 18.6430, 0.3885,
0.3215

Harmonies

Analogous

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



12.0692, 0.2941, 0.3636



12.0692, 0.2699, 0.3363



12.0692, 0.2572, 0.3083

Triad

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



12.0692, 0.2699, 0.3363



12.0692, 0.2992, 0.2832



12.0692, 0.3696, 0.3676

Complementary

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



12.0692, 0.2699, 0.3363



7.5389, 0.3809, 0.3221

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.



12.0692, 0.3716, 0.3450



12.0692, 0.2699, 0.3363



12.0692, 0.3299, 0.2978

Square

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



12.0692, 0.2699, 0.3363



12.0692, 0.2734, 0.2794



12.0692, 0.3568, 0.3199



12.0692, 0.3519, 0.3813

Rectangle

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



12.0692, 0.2699, 0.3363



12.0692, 0.2565, 0.2936



12.0692, 0.3568, 0.3199



12.0692, 0.3722, 0.3608

Sweetspot

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



12.0697, 0.2699, 0.3363



23.2028, 0.2990, 0.3310



11.6585, 0.3123, 0.4235



5.6362, 0.2977, 0.3312



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.0697, 0.2699, 0.3363



20.6904, 0.2621, 0.3381



9.3780, 0.2619, 0.2904



3.1815, 0.3008, 0.3307



13.2290, 0.2316, 0.3536



68.9342, 0.2320, 0.3552

Inverse Universe

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



7.5389, 0.3809, 0.3221



11.5079, 0.4033, 0.3205



9.5515, 0.3759, 0.3645



2.8498, 0.3259, 0.3273



3.6488, 0.6250, 0.3217



18.9724, 0.6329, 0.3260

Previews

White Background



This preview shows how the Yxy color 12.0692, 0.2699, 0.3363 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 12.0692, 0.2699, 0.3363 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

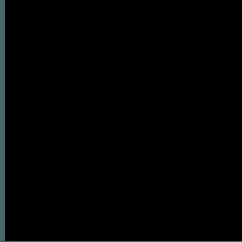
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.0692, 0.2699, 0.3363

Background



This preview shows how black text looks on a background with the Yxy color 12.0692, 0.2699, 0.3363.



This preview shows how white text looks on a background with the Yxy color 12.0692, 0.2699, 0.3363.

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

12.0692, 0.2699, 0.3363

Protanopia

12.0651, 0.3157, 0.3290

Deuteranopia

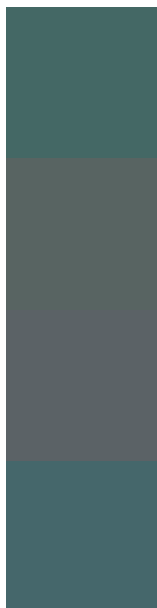
11.9277, 0.3152, 0.3092



Tritanopia

12.1503, 0.2611, 0.3096

Trichromacy



Original Color

12.0692, 0.2699, 0.3363

Protanomaly

12.0709, 0.2982, 0.3337

Deuteranomaly

11.9188, 0.2972, 0.3197

Tritanomaly

12.0272, 0.2642, 0.3191

Monochromacy



Original Color

12.0692, 0.2699, 0.3363

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

11.2787, 0.2951, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.0692, 0.2699, 0.3363 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, 104, 101)` looks like.

```
.text, #text, p{  
    color:rgb(68, 104, 101)  
}
```

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, 104, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 104, 101) }
```

Border

The CSS property to change the border of an element to Yxy 12.0692, 0.2699, 0.3363 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, 104, 101) }
```

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

```
.border{ border-color:rgb(68, 104, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 104, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 104, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 104, 101);  
box-shadow:4px 4px 4px 4px rgb(68, 104,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 12.0692, 0.2699, 0.3363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 104, 101) }
```

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

```
.background{ background-color: rgb(68, 104,  
101) }
```

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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