

Converting Colors

$Y_{xy}(12.4576, 0.2447, 0.3263)$

Have a look what the booklet for
Yxy(12.4576, 0.2447, 0.3263)
contains.

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Color

Yxy(12.4576, 0.2447, 0.3263)

Conversions

Conversions Part 1

Format	Color
Hex	306C6D
RGB	48, 108, 109
RGB Percent	19%, 42%, 43%
CMY	0.8117, 0.5765, 0.5726
CMYK	0.56, 0.01, 0.00, 0.57
HSL	181°, 39%, 31%
HSV	181°, 56%, 43%
XYZ	9.3422, 12.4576, 16.3785
YIQ	90.1740, -36.0810, -12.4090

Conversions

Conversions Part 2

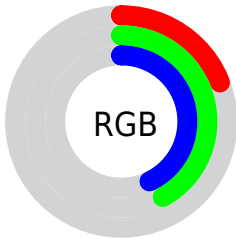
Format	Color
R _Y B	48, 78, 109
Decimal	3173485
CIE Lab	41.93, -18.97, -6.48
CIE LCh	42, 20.043, 198.859
Yxy	12.4576, 0.2447, 0.3263
Android (android.graphics.Color)	4281363565 (0xFF306C6D)
YUV	90.1740, 9.2812, -36.9866
Hunter-Lab	35.2953, -14.5200, -2.8063




Details

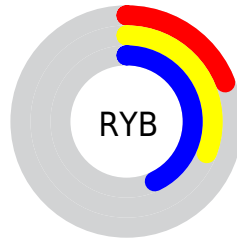
The Yxy color **12.4576, 0.2447, 0.3263** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **5.6626, 0.4650, 0.3316**, and the grayscale version is **10.2516, 0.3127, 0.3290**.




A 20% lighter version of the original color is **30.3890, 0.2616, 0.3289**, and **3.5795, 0.2223, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **12.1873, 0.2371, 0.3258**, and if you desaturate by 10%, it is **12.7941, 0.2539, 0.3268**.

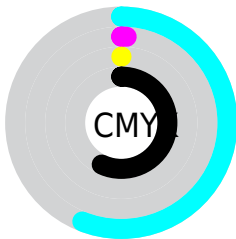
Distribution







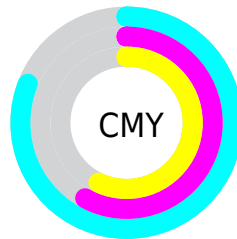
-  Red (19%)
-  Green (42%)
-  Blue (43%)






-  Red (19%)
-  Yellow (31%)
-  Blue (43%)



-  Cyan (56%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (57%)




-  Cyan (81%)
-  Magenta (58%)
-  Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4576, 0.2447, 0.3263 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 12.4576, 0.2447, 0.3263 by changing the saturation by 10% instead.

 12.4576, 0.2447,
0.3263


 12.4576, 0.2447,
0.3263


 207.4116, 0.2854,
0.3287


 7.0561, 0.2314,
0.3249


 30.3258, 0.2616,
0.3276


 3.4972, 0.2117,
0.3224

 43.5614, 0.2672,
0.3279


 1.3965, 0.1798,
0.3167

 60.1771, 0.2717,
0.3282

 0.2141, 0.0000,
0.2379

 80.5573, 0.2755,
0.3284

 0.0000, 0.0000,
0.0000

 105.0865, 0.2786,
0.3285

 134.1490, 0.2812,

0.3286

168.1293, 0.2834,
0.3287

■ 12.4576, 0.2447,
0.3263

■ 12.4576, 0.2447,
0.3263

■ 12.1873, 0.2371,
0.3258

■ 12.7941, 0.2539,
0.3268

■ 11.9768, 0.2313,
0.3253

■ 13.1998, 0.2647,
0.3273

■ 11.8212, 0.2271,
0.3247

■ 13.6791, 0.2768,
0.3278

■ 11.7082, 0.2244,
0.3242

■ 14.2357, 0.2900,
0.3283

■ 11.6646, 0.2233,
0.3240

■ 14.8730, 0.3041,
0.3288

■ 15.5943, 0.3187,
0.3292

■ 16.4026, 0.3338,
0.3295

■ 17.3008, 0.3490,
0.3299

■ 18.2918, 0.3641,
0.3302

Harmonies

Analogous

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



12.4576, 0.2742, 0.3690



12.4576, 0.2447, 0.3263



12.4576, 0.2329, 0.2883

Triad

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



12.4576, 0.2447, 0.3263



12.4576, 0.3053, 0.2693



12.4576, 0.3889, 0.3907

Complementary

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



12.4576, 0.2447, 0.3263



5.6626, 0.4650, 0.3316

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.



12.4576, 0.3997, 0.3603



12.4576, 0.2447, 0.3263



12.4576, 0.3495, 0.2929

Square

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



12.4576, 0.2447, 0.3263



12.4576, 0.2659, 0.2590



12.4576, 0.3851, 0.3253



12.4576, 0.3575, 0.4070

Rectangle

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



12.4576, 0.2447, 0.3263



12.4576, 0.2357, 0.2709



12.4576, 0.3851, 0.3253



12.4576, 0.3952, 0.3817

Sweetspot

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



12.4581, 0.2447, 0.3263



25.3319, 0.2879, 0.3282



11.7787, 0.3048, 0.4971



5.8612, 0.2860, 0.3282



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.4581, 0.2447, 0.3263



21.7046, 0.2353, 0.3256



7.2544, 0.2284, 0.2459



3.4839, 0.2997, 0.3286



13.6411, 0.2233, 0.3240



69.3757, 0.2233, 0.3237

Inverse Universe

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



6.4494, 0.3205, 0.2053



9.7950, 0.3221, 0.1841



8.9859, 0.4246, 0.3974



3.1631, 0.3139, 0.3088



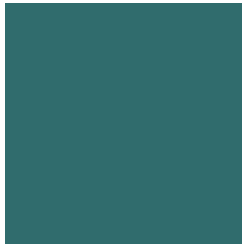
5.0494, 0.3249, 0.1563



25.7158, 0.3251, 0.1565

Previews

White Background



This preview shows how the Yxy color 12.4576, 0.2447, 0.3263 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 12.4576, 0.2447, 0.3263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

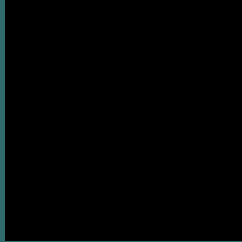
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 12.4576, 0.2447, 0.3263

Background



This preview shows how black text looks on a background with the Yxy color 12.4576, 0.2447, 0.3263.



This preview shows how white text looks on a background with the Yxy color 12.4576, 0.2447, 0.3263.

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

12.4576, 0.2447, 0.3263

Protanopia

12.3673, 0.3074, 0.3178

Deuteranopia

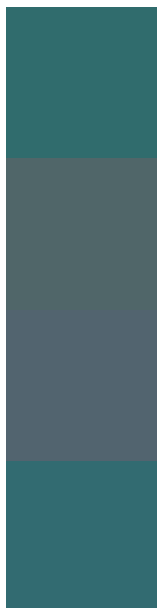
12.3604, 0.2997, 0.2943



Tritanopia

12.4802, 0.2403, 0.3068

Trichromacy



Original Color

12.4576, 0.2447, 0.3263

Protanomaly

12.2281, 0.2792, 0.3218

Deuteranomaly

12.0559, 0.2743, 0.3033

Tritanomaly

12.3858, 0.2422, 0.3140

Monochromacy



Original Color

12.4576, 0.2447, 0.3263

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.9083, 0.2814, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4576, 0.2447, 0.3263 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(48, 108, 109)` looks like.

```
.text, #text, p{  
  color:rgb(48, 108, 109)  
}
```

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(48, 108, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 108, 109) }
```

Border

The CSS property to change the border of an element to Yxy 12.4576, 0.2447, 0.3263 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(48, 108, 109) }
```

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

```
.border{ border-color:rgb(48, 108, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 108, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 108, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 108, 109);  
box-shadow:4px 4px 4px 4px rgb(48, 108,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4576, 0.2447, 0.3263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 108, 109) }
```

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

```
.background{ background-color: rgb(48, 108,  
109) }
```

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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