

Converting Colors

$Yxy(16.1414, 0.2617, 0.3826)$

Have a look what the booklet for
Yxy(16.1414, 0.2617, 0.3826)
contains.

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Color

Yxy(16.1047, 0.2610, 0.3814)

Conversions

Conversions Part 1

Format	Color
Hex	347C66
RGB	52, 124, 102
RGB Percent	20%, 49%, 40%
CMY	0.7962, 0.5137, 0.6000
CMYK	0.58, 0.00, 0.18, 0.51
HSL	162°, 41%, 35%
HSV	162°, 58%, 49%
XYZ	11.0208, 16.1047, 15.0997
YIQ	99.9640, -35.8500, -22.1060

Conversions

Conversions Part 2

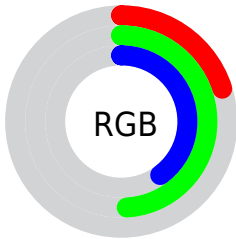
Format	Color
RYB	52, 94, 124
Decimal	3439718
CIELab	47.11, -28.22, 5.29
CIElCh	47, 28.709, 169.380
Yxy	16.1047, 0.2610, 0.3814
Android (android.graphics.Color)	4281629798 (0xFF347C66)
YUV	99.9640, 1.0037, -42.0644
Hunter-Lab	40.1307, -21.2085, 5.7827




Details

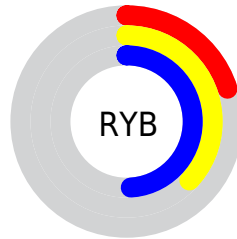
The Yxy color **16.1047, 0.2610, 0.3814** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.2319, 0.4258, 0.2858**, and the grayscale version is **12.7364, 0.3127, 0.3290**.



A 20% lighter version of the original color is **36.7474, 0.2734, 0.3681**, and **5.1734, 0.2460, 0.4055** is the 20% darker color. If you saturate the color by 10%, you get **15.7452, 0.2562, 0.3923**, and if you desaturate by 10%, it is **16.5553, 0.2674, 0.3709**.

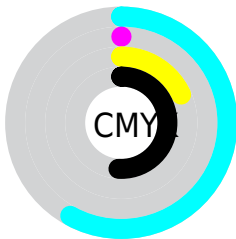
Distribution







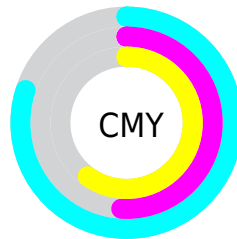
-  Red (20%)
-  Green (49%)
-  Blue (40%)






-  Red (20%)
-  Yellow (37%)
-  Blue (49%)



-  Cyan (58%)
-  Magenta (0%)
-  Yellow (18%)
-  Black (51%)





-  Cyan (80%)
-  Magenta (51%)
-  Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1047, 0.2610, 0.3814 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 16.1047, 0.2610, 0.3814 by changing the saturation by 10% instead.


 16.1047, 0.2610,
0.3814


 16.1047, 0.2610,
0.3814

 229.9587, 0.2917,
0.3499


 9.5983, 0.2511,
0.3920


 36.7799, 0.2736,
0.3682


 5.1334, 0.2365,
0.4078

 51.7174, 0.2779,
0.3638

 2.3258, 0.2130,
0.4340

 70.2341, 0.2813,
0.3603

 0.7873, 0.0446,
0.5901

 92.7143, 0.2841,
0.3575

 0.0000, 0.0000,
0.0000

 119.5425, 0.2865,
0.3551

 151.1031, 0.2885,

0.3531

187.7803, 0.2902,
0.3513

■ 16.1047, 0.2610,
0.3814

■ 16.1047, 0.2610,
0.3814

■ 15.7452, 0.2562,
0.3923

■ 16.5553, 0.2674,
0.3709

■ 15.4680, 0.2531,
0.4035

■ 17.1014, 0.2752,
0.3609

■ 15.2657, 0.2519,
0.4146

■ 17.7493, 0.2841,
0.3515

■ 15.1179, 0.2522,
0.4258

■ 18.5041, 0.2938,
0.3428

■ 15.0910, 0.2522,
0.4280

■ 19.3708, 0.3041,
0.3349

■ 20.3539, 0.3148,
0.3277

■ 21.4577, 0.3256,
0.3212

■ 22.6862, 0.3363,
0.3155

■ 24.0433, 0.3470,
0.3104

Harmonies

Analogous

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



16.1047, 0.3137, 0.4240



16.1047, 0.2610, 0.3814



16.1047, 0.2242, 0.3232

Triad

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



16.1047, 0.2610, 0.3814



16.1047, 0.2524, 0.2395



16.1047, 0.4270, 0.3680

Complementary

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



16.1047, 0.2610, 0.3814



7.2319, 0.4258, 0.2858

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.



16.1047, 0.4088, 0.3236



16.1047, 0.2610, 0.3814



16.1047, 0.3032, 0.2532

Square

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



16.1047, 0.2610, 0.3814



16.1047, 0.2201, 0.2457



16.1047, 0.3617, 0.2830



16.1047, 0.4111, 0.4083

Rectangle

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



16.1047, 0.2610, 0.3814



16.1047, 0.2123, 0.2883



16.1047, 0.3617, 0.2830



16.1047, 0.4248, 0.3532

Sweetspot

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



16.1053, 0.2610, 0.3814



32.6590, 0.2945, 0.3422



16.1512, 0.3280, 0.4945



7.6383, 0.2929, 0.3436



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.1053, 0.2610, 0.3814



27.5151, 0.2549, 0.3963



13.5092, 0.2363, 0.2980



4.4926, 0.3031, 0.3356



15.3394, 0.2522, 0.4280



73.0133, 0.2538, 0.4338

Inverse Universe

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



7.2319, 0.4258, 0.2858



10.2880, 0.4698, 0.2804



8.3332, 0.4620, 0.3554



4.0333, 0.3233, 0.3225



4.4971, 0.5661, 0.2892



21.3166, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 16.1047, 0.2610, 0.3814 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 16.1047, 0.2610, 0.3814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

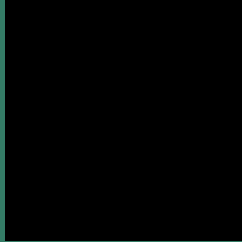
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1047, 0.2610, 0.3814

Background



This preview shows how black text looks on a background with the Yxy color 16.1047, 0.2610, 0.3814.



This preview shows how white text looks on a background with the Yxy color 16.1047, 0.2610, 0.3814.

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

16.1047, 0.2610, 0.3814

Protanopia

15.9770, 0.3415, 0.3616

Deuteranopia

15.8411, 0.3379, 0.3310



Tritanopia

16.0688, 0.2432, 0.3069

Trichromacy



Original Color

16.1047, 0.2610, 0.3814

Protanomaly

15.6998, 0.3046, 0.3688

Deuteranomaly

15.4268, 0.3028, 0.3463

Tritanomaly

15.9304, 0.2488, 0.3311

Monochromacy



Original Color

16.1047, 0.2610, 0.3814

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.7159, 0.2885, 0.3476

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1047, 0.2610, 0.3814 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(52, 124, 102)` looks like.

```
.text, #text, p{  
  color:rgb(52, 124, 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(52, 124, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 124, 102) }
```

Border

The CSS property to change the border of an element to Yxy 16.1047, 0.2610, 0.3814 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(52, 124, 102) }
```

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

```
.border{ border-color:rgb(52, 124, 102) }
```

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

Here you see how a box with a 4 pixel rgb(52, 124, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 124, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 124, 102);  
box-shadow:4px 4px 4px 4px rgb(52, 124,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 16.1047, 0.2610, 0.3814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 124, 102) }
```

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

```
.background{ background-color: rgb(52, 124,  
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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