

Converting Colors

$Yxy(16.0642, 0.2632, 0.3861)$

Have a look what the booklet for
Yxy(16.0642, 0.2632, 0.3861)
contains.

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Color

Yxy(16.0923, 0.2635, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	357C64
RGB	53, 124, 100
RGB Percent	21%, 49%, 39%
CMY	0.7921, 0.5137, 0.6078
CMYK	0.57, 0.00, 0.19, 0.51
HSL	160°, 40%, 35%
HSV	160°, 57%, 49%
XYZ	10.9768, 16.0923, 14.5885
YIQ	100.0350, -34.6120, -22.5160

Conversions

Conversions Part 2

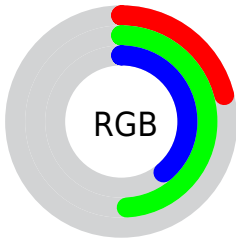
Format	Color
RYB	53, 96, 124
Decimal	3505252
CIELab	47.10, -28.47, 6.44
CIElCh	47, 29.193, 167.246
Yxy	16.0923, 0.2635, 0.3863
Android (android.graphics.Color)	4281695332 (0xFF357C64)
YUV	100.0350, -0.0173, -41.2497
Hunter-Lab	40.1152, -21.3585, 6.5190

Details

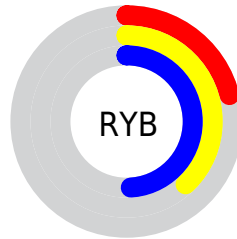
The Yxy color **16.0923, 0.2635, 0.3863** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.3672, 0.4177, 0.2817**, and the grayscale version is **12.7607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7428, 0.2755, 0.3714**, and **5.1546, 0.2484, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **15.7202, 0.2588, 0.3985**, and if you desaturate by 10%, it is **16.5568, 0.2698, 0.3746**.

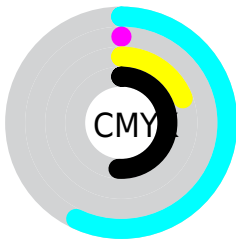
Distribution



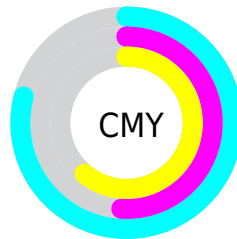
- Red (21%)
- Green (49%)
- Blue (39%)



- Red (21%)
- Yellow (38%)
- Blue (49%)



- Cyan (57%)
- Magenta (0%)
- Yellow (19%)
- Black (51%)




- Cyan (79%)
- Magenta (51%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0923, 0.2635, 0.3863 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 16.0923, 0.2635, 0.3863 by changing the saturation by 10% instead.


 16.0923, 0.2635,
0.3863


 16.0923, 0.2635,
0.3863


 229.8857, 0.2928,
0.3517


 9.5895, 0.2539,
0.3980


 36.7584, 0.2756,
0.3718


 5.1276, 0.2398,
0.4156

 51.6904, 0.2797,
0.3670

 2.3223, 0.2169,
0.4450

 70.2010, 0.2830,
0.3631

 0.7855, 0.0415,
0.6326

 92.6745, 0.2856,
0.3600

 0.0000, 0.0000,
0.0000

 119.4953, 0.2879,
0.3574

 151.0479, 0.2898,

0.3552

187.7166, 0.2914,
0.3533

■ 16.0923, 0.2635,
0.3863

■ 16.0923, 0.2635,
0.3863

■ 15.7202, 0.2588,
0.3985

■ 16.5568, 0.2698,
0.3746

■ 15.4317, 0.2558,
0.4109

■ 17.1181, 0.2774,
0.3635

■ 15.2195, 0.2547,
0.4234

■ 17.7823, 0.2860,
0.3531

■ 15.0661, 0.2552,
0.4358

■ 18.5547, 0.2954,
0.3436

■ 15.0265, 0.2554,
0.4393

■ 19.4401, 0.3053,
0.3348

■ 20.4431, 0.3155,
0.3269

■ 21.5679, 0.3259,
0.3198

■ 22.8186, 0.3361,
0.3135

■ 24.1991, 0.3463,
0.3079

Harmonies

Analogous

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



16.0923, 0.3177, 0.4276



16.0923, 0.2635, 0.3863



16.0923, 0.2248, 0.3271

Triad

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



16.0923, 0.2635, 0.3863



16.0923, 0.2484, 0.2379



16.0923, 0.4288, 0.3653

Complementary

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



16.0923, 0.2635, 0.3863



7.3672, 0.4177, 0.2817

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.



16.0923, 0.4079, 0.3202



16.0923, 0.2635, 0.3863



16.0923, 0.2989, 0.2505

Square

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



16.0923, 0.2635, 0.3863



16.0923, 0.2172, 0.2456



16.0923, 0.3584, 0.2797



16.0923, 0.4149, 0.4069

Rectangle

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



16.0923, 0.2635, 0.3863



16.0923, 0.2115, 0.2909



16.0923, 0.3584, 0.2797



16.0923, 0.4257, 0.3502

Sweetspot

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



16.0929, 0.2635, 0.3863



32.6300, 0.2952, 0.3437



16.2861, 0.3307, 0.4906



7.6308, 0.2937, 0.3452



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.



16.0929, 0.2635, 0.3863



27.4759, 0.2576, 0.4027



14.1010, 0.2384, 0.3042



4.4905, 0.3035, 0.3363



15.2751, 0.2554, 0.4394



72.7002, 0.2571, 0.4457

Inverse Universe

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



7.3672, 0.4177, 0.2817



10.4972, 0.4583, 0.2751



8.1699, 0.4619, 0.3504



4.0353, 0.3229, 0.3218



4.5249, 0.5541, 0.2826



21.4398, 0.5672, 0.2898

Previews

White Background



This preview shows how the Yxy color 16.0923, 0.2635, 0.3863 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 16.0923, 0.2635, 0.3863 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 16.0923, 0.2635, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 16.0923, 0.2635, 0.3863.



This preview shows how white text looks on a background with the Yxy color 16.0923, 0.2635, 0.3863.

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

16.0923, 0.2635, 0.3863

Protanopia

15.9411, 0.3441, 0.3658

Deuteranopia

15.8748, 0.3421, 0.3349



Tritanopia

16.1014, 0.2440, 0.3070

Trichromacy



Original Color

16.0923, 0.2635, 0.3863

Protanomaly

15.7150, 0.3081, 0.3732

Deuteranomaly

15.4422, 0.3065, 0.3506

Tritanomaly

15.9365, 0.2504, 0.3334

Monochromacy



Original Color

16.0923, 0.2635, 0.3863

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

13.6964, 0.2897, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0923, 0.2635, 0.3863 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(53, 124, 100)` looks like.

```
.text, #text, p{  
    color:rgb(53, 124, 100)  
}
```

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(53, 124, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 124, 100) }
```

Border

The CSS property to change the border of an element to Yxy 16.0923, 0.2635, 0.3863 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(53, 124, 100) }
```

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

```
.border{ border-color:rgb(53, 124, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 124, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 124, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 124, 100);  
box-shadow:4px 4px 4px 4px rgb(53, 124,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0923, 0.2635, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 124, 100) }
```

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

```
.background{ background-color: rgb(53, 124,  
100) }
```

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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