

Converting Colors

$Yxy(16.0624, 0.2806, 0.4026)$

Have a look what the booklet for
Yxy(16.0624, 0.2806, 0.4026)
contains.

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Color

$\text{Yxy}(16.0624, 0.2806, 0.4026)$

Conversions

Conversions Part 1

Format	Color
Hex	417B5C
RGB	65, 123, 92
RGB Percent	25%, 48%, 36%
CMY	0.7451, 0.5176, 0.6391
CMYK	0.47, 0.00, 0.25, 0.52
HSL	148°, 31%, 37%
HSV	148°, 47%, 48%
XYZ	11.1950, 16.0624, 12.6393
YIQ	102.1240, -24.6170, -21.9370

Conversions

Conversions Part 2

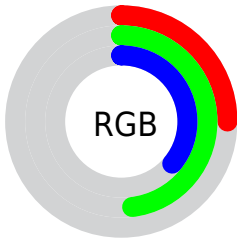
Format	Color
RYB	65, 105, 123
Decimal	4291420
CIELab	47.06, -26.70, 11.15
CIELCh	47, 28.937, 157.326
Yxy	16.0624, 0.2806, 0.4026
Android (android.graphics.Color)	4282481500 (0xFF417B5C)
YUV	102.1240, -4.9911, -32.5577
Hunter-Lab	40.0779, -20.2758, 9.3564

Details

The Yxy color **16.0624, 0.2806, 0.4026** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **8.8354, 0.3673, 0.2667**, and the grayscale version is **13.3396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7167, 0.2890, 0.3843**, and **5.1660, 0.2640, 0.4428** is the 20% darker color. If you saturate the color by 10%, you get **15.5780, 0.2760, 0.4218**, and if you desaturate by 10%, it is **16.6495, 0.2863, 0.3844**.

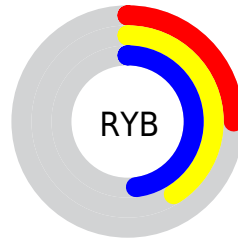
Distribution



Red (25%)

Green (48%)

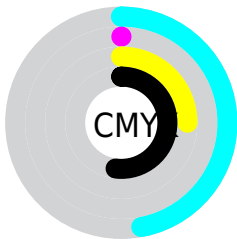
Blue (36%)



Red (25%)

Yellow (41%)

Blue (48%)

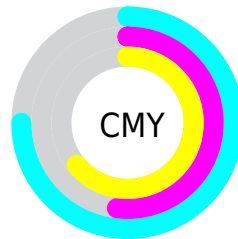


Cyan (47%)

Magenta (0%)

Yellow (25%)

Black (52%)



Cyan (75%)


Magenta (52%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0624, 0.2806, 0.4026 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 16.0624, 0.2806, 0.4026 by changing the saturation by 10% instead.


 16.0624, 0.2806,
0.4026


 16.0624, 0.2806,
0.4026


229.7096, 0.3003,
0.3576


 9.5683, 0.2738,
0.4181


 36.7065, 0.2889,
0.3836


 5.1137, 0.2634,
0.4416

 51.6253, 0.2917,
0.3773


 2.3141, 0.2456,
0.4816

 70.1212, 0.2939,
0.3724

 0.7812, 0.0962,
0.8288

 92.5784, 0.2956,
0.3683

 0.0000, 0.0000,
0.0000

 119.3815, 0.2971,
0.3650

150.9148, 0.2983,

0.3621

187.5627, 0.2994,
0.3597

■ 16.0624, 0.2806,
0.4026

■ 16.0624, 0.2806,
0.4026

■ 15.5780, 0.2760,
0.4218

■ 16.6495, 0.2863,
0.3844

■ 15.1882, 0.2729,
0.4418

■ 17.3430, 0.2928,
0.3675

■ 14.8865, 0.2713,
0.4619


■ 18.1489, 0.2999,
0.3521

■ 14.6650, 0.2716,
0.4817

■ 19.0721, 0.3073,
0.3381

■ 14.5064, 0.2734,
0.5007


■ 20.1172, 0.3149,
0.3256

 14.4648, 0.2739,
0.5061

 21.2885, 0.3224,
0.3145

 22.5903, 0.3297,
0.3046

 24.0263, 0.3368,
0.2959

 25.6005, 0.3437,
0.2883

Harmonies

Analogous

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



16.0624, 0.3366, 0.4326



16.0624, 0.2806, 0.4026



16.0624, 0.2358, 0.3468

Triad

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



16.0624, 0.2806, 0.4026



16.0624, 0.2363, 0.2387



16.0624, 0.4248, 0.3503

Complementary

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



16.0624, 0.2806, 0.4026



8.8354, 0.3673, 0.2667

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.



16.0624, 0.3933, 0.3062



16.0624, 0.2806, 0.4026



16.0624, 0.2808, 0.2449

Square

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



16.0624, 0.2806, 0.4026



16.0624, 0.2126, 0.2537



16.0624, 0.3386, 0.2689



16.0624, 0.4222, 0.3937

Rectangle

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



16.0624, 0.2806, 0.4026



16.0624, 0.2175, 0.3082



16.0624, 0.3386, 0.2689



16.0624, 0.4179, 0.3352

Sweetspot

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



16.0631, 0.2806, 0.4026



32.9427, 0.3020, 0.3480



17.0838, 0.3441, 0.4537



7.6906, 0.3007, 0.3506



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.



16.0631, 0.2806, 0.4026



27.7997, 0.2755, 0.4243



16.6486, 0.2549, 0.3353



4.4782, 0.3059, 0.3407



14.9622, 0.2740, 0.5063



71.2023, 0.2765, 0.5154

Inverse Universe

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



8.8354, 0.3673, 0.2667



13.1146, 0.3870, 0.2534



8.4073, 0.4269, 0.3234



4.0475, 0.3201, 0.3176



4.7584, 0.4751, 0.2391



22.5246, 0.4853, 0.2447

Previews

White Background



This preview shows how the Yxy color 16.0624, 0.2806, 0.4026 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 16.0624, 0.2806, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

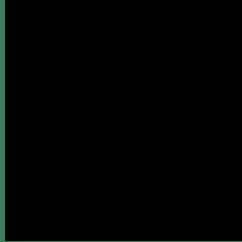
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0624, 0.2806, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 16.0624, 0.2806, 0.4026.



This preview shows how white text looks on a background with the Yxy color 16.0624, 0.2806, 0.4026.

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

16.0624, 0.2806, 0.4026

Protanopia

15.8923, 0.3548, 0.3800

Deuteranopia

15.8719, 0.3561, 0.3506



Tritanopia

15.9712, 0.2539, 0.3073

Trichromacy



Original Color

16.0624, 0.2806, 0.4026

Protanomaly

15.6187, 0.3242, 0.3884

Deuteranomaly

15.5795, 0.3228, 0.3677

Tritanomaly

16.0103, 0.2636, 0.3401

Monochromacy



Original Color

16.0624, 0.2806, 0.4026

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

14.1575, 0.2996, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0624, 0.2806, 0.4026 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(65, 123, 92)` looks like.

```
.text, #text, p{  
    color:rgb(65, 123, 92)  
}
```

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(65, 123, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 123, 92) }
```

Border

The CSS property to change the border of an element to Yxy 16.0624, 0.2806, 0.4026 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(65, 123, 92) }
```

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

```
.border{ border-color:rgb(65, 123, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 123, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 123, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 123, 92);  
box-shadow:4px 4px 4px 4px rgb(65, 123,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0624, 0.2806, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 123, 92) }
```

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

```
.background{ background-color: rgb(65, 123,  
92) }
```

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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