

Converting Colors

$Y_{xy}(16.6153, 0.2841, 0.4076)$

Have a look what the booklet for
Yxy(16.6153, 0.2841, 0.4076)
contains.

Yxy(16.6515, 0.2848, 0.4086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.6515, 0.2848, 0.4086)

Conversions

Conversions Part 1

Format	Color
Hex	447D5B
RGB	68, 125, 91
RGB Percent	27%, 49%, 36%
CMY	0.7332, 0.5098, 0.6432
CMYK	0.46, 0.00, 0.27, 0.51
HSL	144°, 30%, 38%
HSV	144°, 46%, 49%
XYZ	11.6063, 16.6515, 12.4947
YIQ	104.0810, -23.0580, -22.6580

Conversions

Conversions Part 2

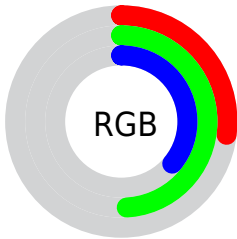
Format	Color
RYB	68, 109, 125
Decimal	4488539
CIELab	47.82, -27.02, 12.84
CIElCh	48, 29.914, 154.579
Yxy	16.6515, 0.2848, 0.4086
Android (android.graphics.Color)	4282678619 (0xFF447D5B)
YUV	104.0810, -6.4489, -31.6430
Hunter-Lab	40.8062, -20.6410, 10.4100

Details

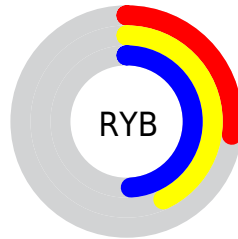
The Yxy color **16.6515, 0.2848, 0.4086** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.4576, 0.3580, 0.2619**, and the grayscale version is **13.8898, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6858, 0.2921, 0.3885**, and **5.3232, 0.2689, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **16.1270, 0.2806, 0.4301**, and if you desaturate by 10%, it is **17.2860, 0.2900, 0.3883**.

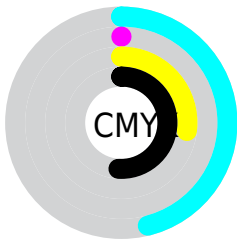
Distribution



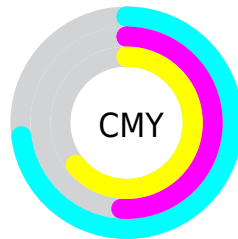
- Red (27%)
- Green (49%)
- Blue (36%)



- Red (27%)
- Yellow (43%)
- Blue (49%)



- Cyan (46%)
- Magenta (0%)
- Yellow (27%)
- Black (51%)





- Cyan (73%)
- Magenta (51%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6515, 0.2848, 0.4086 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 16.6515, 0.2848, 0.4086 by changing the saturation by 10% instead.


 16.6515, 0.2848,
0.4086


 16.6515, 0.2848,
0.4086


233.1560, 0.3021,
0.3601

 9.9863, 0.2787,
0.4252


 37.7256, 0.2922,
0.3881


 5.3899, 0.2693,
0.4503

 52.9033, 0.2946,
0.3814


 2.4778, 0.2531,
0.4926

 71.6874, 0.2965,
0.3760

 0.8655, 0.1520,
0.8065

 94.4621, 0.2980,
0.3717

 0.0000, 0.0000,
0.0000

 121.6119, 0.2993,
0.3680

153.5213, 0.3004,

0.3650

190.5745, 0.3013,
0.3623

■ 16.6515, 0.2848,
0.4086

■ 16.6515, 0.2848,
0.4086

■ 16.1270, 0.2806,
0.4301

■ 17.2860, 0.2900,
0.3883

■ 15.7040, 0.2776,
0.4524

■ 18.0345, 0.2960,
0.3695

■ 15.3759, 0.2763,
0.4748


■ 18.9032, 0.3024,
0.3523

■ 15.1344, 0.2766,
0.4967


■ 19.8972, 0.3090,
0.3369


■ 14.9661, 0.2785,
0.5172

■ 21.0213, 0.3157,
0.3231

 14.9007, 0.2794,
0.5259

 22.2802, 0.3223,
0.3109

 23.6782, 0.3287,
0.3002

 25.2195, 0.3348,
0.2907

 26.9080, 0.3407,
0.2824

Harmonies

Analogous

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



16.6515, 0.3422, 0.4359



16.6515, 0.2848, 0.4086



16.6515, 0.2376, 0.3527

Triad

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



16.6515, 0.2848, 0.4086



16.6515, 0.2316, 0.2375



16.6515, 0.4257, 0.3463

Complementary

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



16.6515, 0.2848, 0.4086



9.4576, 0.3580, 0.2619

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.



16.6515, 0.3906, 0.3018



16.6515, 0.2848, 0.4086



16.6515, 0.2752, 0.2419

Square

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



16.6515, 0.2848, 0.4086



16.6515, 0.2097, 0.2546



16.6515, 0.3335, 0.2649



16.6515, 0.4262, 0.3910

Rectangle

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



16.6515, 0.2848, 0.4086



16.6515, 0.2175, 0.3128



16.6515, 0.3335, 0.2649



16.6515, 0.4175, 0.3310

Sweetspot

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



16.6522, 0.2848, 0.4086



34.0593, 0.3032, 0.3503



17.9221, 0.3470, 0.4480



7.6789, 0.3020, 0.3532



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.



16.6522, 0.2848, 0.4086



28.8163, 0.2803, 0.4318



17.2364, 0.2588, 0.3414



4.8452, 0.3066, 0.3422



15.5505, 0.2795, 0.5262



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.4576, 0.3580, 0.2619



14.1641, 0.3736, 0.2474



8.9881, 0.4155, 0.3178



4.3840, 0.3193, 0.3162



5.0742, 0.4501, 0.2253



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.6515, 0.2848, 0.4086 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 16.6515, 0.2848, 0.4086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

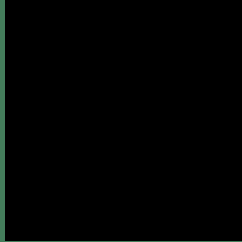
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.6515, 0.2848, 0.4086

Background



This preview shows how black text looks on a background with the Yxy color 16.6515, 0.2848, 0.4086.



This preview shows how white text looks on a background with the Yxy color 16.6515, 0.2848, 0.4086.

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

16.6515, 0.2848, 0.4086

Protanopia

16.5311, 0.3594, 0.3850

Deuteranopia

16.5093, 0.3609, 0.3560



Tritanopia

16.6224, 0.2555, 0.3077

Trichromacy



Original Color

16.6515, 0.2848, 0.4086

Protanomaly

16.2355, 0.3289, 0.3938

Deuteranomaly

16.1954, 0.3277, 0.3734

Tritanomaly

16.6359, 0.2660, 0.3421

Monochromacy



Original Color

16.6515, 0.2848, 0.4086

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.7133, 0.3010, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6515, 0.2848, 0.4086 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, 125, 91)` looks like.

```
.text, #text, p{  
    color:rgb(68, 125, 91)  
}
```

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, 125, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 125, 91) }
```

Border

The CSS property to change the border of an element to Yxy 16.6515, 0.2848, 0.4086 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, 125, 91) }
```

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

```
.border{ border-color:rgb(68, 125, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 125, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 125, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 125, 91);  
box-shadow:4px 4px 4px 4px rgb(68, 125,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6515, 0.2848, 0.4086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 125, 91) }
```

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

```
.background{ background-color: rgb(68, 125,  
91) }
```

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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