

Converting Colors

$Y_{xy}(16.8910, 0.2716, 0.3542)$

Have a look what the booklet for
Yxy(16.8910, 0.2716, 0.3542)
contains.

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Color

Yxy(16.8316, 0.2710, 0.3533)

Conversions

Conversions Part 1

Format	Color
Hex	4B7B70
RGB	75, 123, 112
RGB Percent	29%, 48%, 44%
CMY	0.7058, 0.5177, 0.5608
CMYK	0.39, 0.00, 0.09, 0.52
HSL	166°, 24%, 39%
HSV	166°, 39%, 48%
XYZ	12.9107, 16.8316, 17.8988
YIQ	107.3940, -25.0770, -13.5970

Conversions

Conversions Part 2

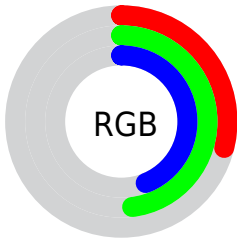
Format	Color
RYB	75, 102, 123
Decimal	4946800
CIELab	48.05, -19.04, 0.87
CIElCh	48, 19.061, 177.395
Yxy	16.8316, 0.2710, 0.3533
Android (android.graphics.Color)	4283136880 (0xFF4B7B70)
YUV	107.3940, 2.2708, -28.4095
Hunter-Lab	41.0263, -15.6232, 2.8517

Details

The Yxy color **16.8316, 0.2710, 0.3533** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.9185, 0.3822, 0.3065**, and the grayscale version is **14.8187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1666, 0.2806, 0.3474**, and **5.4744, 0.2524, 0.3660** is the 20% darker color. If you saturate the color by 10%, you get **16.3213, 0.2627, 0.3607**, and if you desaturate by 10%, it is **17.4411, 0.2806, 0.3463**.

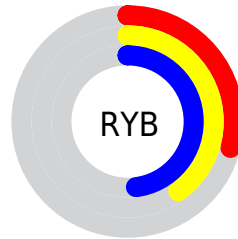
Distribution



Red (29%)

Green (48%)

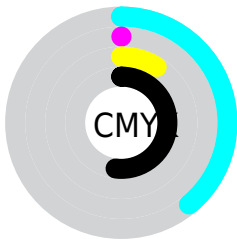
Blue (44%)



Red (29%)

Yellow (40%)

Blue (48%)

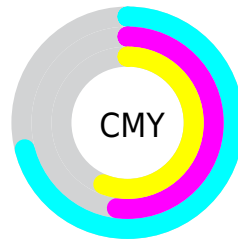


Cyan (39%)

Magenta (0%)

Yellow (9%)

Black (52%)



Cyan (71%)

Magenta (52%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.8316, 0.2710, 0.3533 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 16.8316, 0.2710, 0.3533 by changing the saturation by 10% instead.

■ 16.8316, 0.2710,
0.3533

■ 16.8316, 0.2710,
0.3533

■ 234.2001, 0.2953,
0.3391

■ 10.1145, 0.2633,
0.3578

■ 38.0360, 0.2809,
0.3475

■ 5.4749, 0.2522,
0.3644

■ 53.2921, 0.2843,
0.3455

■ 2.5285, 0.2348,
0.3748

■ 72.1633, 0.2870,
0.3439

■ 0.8909, 0.1750,
0.4082

■ 95.0341, 0.2892,
0.3426

■ 0.0000, 0.0000,
0.0000

■ 122.2887, 0.2911,
0.3415

154.3117, 0.2927,

0.3406

191.4873, 0.2941,
0.3398

■ 16.8316, 0.2710,
0.3533

■ 16.8316, 0.2710,
0.3533

■ 16.3213, 0.2627,
0.3607

■ 17.4411, 0.2806,
0.3463

■ 15.9027, 0.2558,
0.3684

■ 18.1529, 0.2911,
0.3399

■ 15.5703, 0.2505,
0.3764


■ 18.9725, 0.3022,
0.3339


■ 15.3171, 0.2470,
0.3845

■ 19.9043, 0.3139,
0.3285


■ 15.1353, 0.2453,
0.3926

■ 20.9525, 0.3258,
0.3236

 15.0013, 0.2449,
0.4008

 22.1212, 0.3377,
0.3192

 14.9883, 0.2449,
0.4016

 23.4140, 0.3495,
0.3153

 24.8347, 0.3611,
0.3119

 26.3867, 0.3724,
0.3089

Harmonies

Analogous

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



16.8316, 0.3047, 0.3837



16.8316, 0.2710, 0.3533



16.8316, 0.2491, 0.3169

Triad

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



16.8316, 0.2710, 0.3533



16.8316, 0.2811, 0.2692



16.8316, 0.3870, 0.3649

Complementary

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



16.8316, 0.2710, 0.3533



9.9185, 0.3822, 0.3065

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.



16.8316, 0.3806, 0.3349



16.8316, 0.2710, 0.3533



16.8316, 0.3174, 0.2819

Square

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



16.8316, 0.2710, 0.3533



16.8316, 0.2547, 0.2705



16.8316, 0.3544, 0.3053



16.8316, 0.3724, 0.3881

Rectangle

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



16.8316, 0.2710, 0.3533



16.8316, 0.2434, 0.2957



16.8316, 0.3544, 0.3053



16.8316, 0.3873, 0.3553

Sweetspot

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



16.8323, 0.2710, 0.3533



33.4711, 0.2985, 0.3358



16.6626, 0.3204, 0.4373



7.8473, 0.2974, 0.3364



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.



16.8323, 0.2710, 0.3533



29.2994, 0.2633, 0.3600



14.1231, 0.2568, 0.3003



4.4975, 0.3022, 0.3339



15.5050, 0.2449, 0.4017



73.8259, 0.2461, 0.4059

Inverse Universe

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



9.9185, 0.3822, 0.3065



15.0287, 0.4073, 0.3015



11.6687, 0.3935, 0.3556



4.0287, 0.3244, 0.3241



4.4431, 0.5916, 0.3033



21.0835, 0.6036, 0.3099

Previews

White Background



This preview shows how the Yxy color 16.8316, 0.2710, 0.3533 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 16.8316, 0.2710, 0.3533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

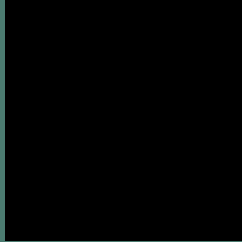
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8316, 0.2710, 0.3533

Background



This preview shows how black text looks on a background with the Yxy color 16.8316, 0.2710, 0.3533.



This preview shows how white text looks on a background with the Yxy color 16.8316, 0.2710, 0.3533.

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

16.8316, 0.2710, 0.3533

Protanopia

16.6537, 0.3255, 0.3410

Deuteranopia

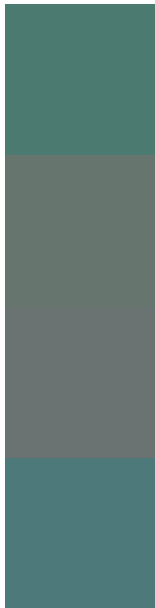
16.6748, 0.3253, 0.3194



Tritanopia

16.7501, 0.2583, 0.3078

Trichromacy



Original Color

16.8316, 0.2710, 0.3533

Protanomaly

16.6515, 0.3031, 0.3457

Deuteranomaly

16.5405, 0.3024, 0.3310

Tritanomaly

16.7245, 0.2630, 0.3245

Monochromacy



Original Color

16.8316, 0.2710, 0.3533

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.3473, 0.2944, 0.3376

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8316, 0.2710, 0.3533 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(75, 123, 112)` looks like.

```
.text, #text, p{  
  color:rgb(75, 123, 112)  
}
```

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(75, 123, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 123, 112) }
```

Border

The CSS property to change the border of an element to Yxy 16.8316, 0.2710, 0.3533 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(75, 123, 112) }
```

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

```
.border{ border-color:rgb(75, 123, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 123, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 123, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 123, 112);  
box-shadow:4px 4px 4px 4px rgb(75, 123,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8316, 0.2710, 0.3533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 123, 112) }
```

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

```
.background{ background-color: rgb(75, 123,  
112) }
```

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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