

Converting Colors

$Y_{xy}(16.2773, 0.2874, 0.3642)$

Have a look what the booklet for
Yxy(16.2773, 0.2874, 0.3642)
contains.

Yxy(16.3172, 0.2876, 0.3646)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.3172, 0.2876, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	547868
RGB	84, 120, 104
RGB Percent	33%, 47%, 41%
CMY	0.6706, 0.5294, 0.5922
CMYK	0.30, 0.00, 0.13, 0.53
HSL	153°, 18%, 40%
HSV	153°, 30%, 47%
XYZ	12.8712, 16.3172, 15.5653
YIQ	107.4120, -16.3200, -12.6080

Conversions

Conversions Part 2

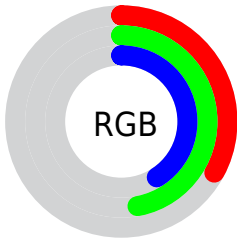
Format	Color
R_{YB}	84, 107, 120
Decimal	5535848
CIE _{Lab}	47.39, -16.46, 4.71
CIE _{LCh}	47, 17.124, 164.020
Yxy	16.3172, 0.2876, 0.3646
Android (android.graphics.Color)	4283725928 (0xFF547868)
YUV	107.4120, -1.6821, -20.5323
Hunter-Lab	40.3946, -13.8139, 5.4298

Details

The Yxy color **16.3172, 0.2876, 0.3646** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.2551, 0.3478, 0.2961**, and the grayscale version is **14.8319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.0225, 0.2942, 0.3552**, and **5.1952, 0.2756, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **15.7057, 0.2803, 0.3787**, and if you desaturate by 10%, it is **17.0318, 0.2956, 0.3516**.

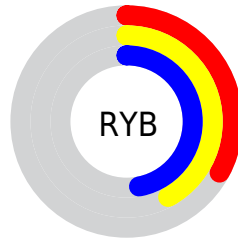
Distribution



Red (33%)

Green (47%)

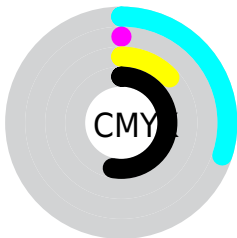
Blue (41%)



Red (33%)

Yellow (42%)

Blue (47%)

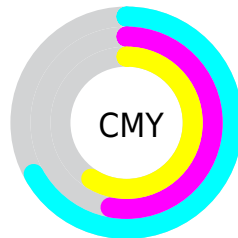


Cyan (30%)

Magenta (0%)

Yellow (13%)

Black (53%)



Cyan (67%)

Magenta (53%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3172, 0.2876, 0.3646 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 16.3172, 0.2876, 0.3646 by changing the saturation by 10% instead.

■ 16.3172, 0.2876,
0.3646

■ 16.3172, 0.2876,
0.3646

■ 231.2062, 0.3025,
0.3433

■ 9.7489, 0.2827,
0.3717

■ 37.1480, 0.2938,
0.3558

■ 5.2328, 0.2755,
0.3822

■ 52.1793, 0.2958,
0.3528

■ 2.3845, 0.2638,
0.3995

■ 70.8004, 0.2975,
0.3504

■ 0.8179, 0.2140,
0.4662

■ 93.3956, 0.2989,
0.3485

■ 0.0000, 0.0000,
0.0000

■ 120.3494, 0.3000,
0.3469

152.0462, 0.3010,

0.3455

188.8703, 0.3018,
0.3443

■ 16.3172, 0.2876,
0.3646

■ 16.3172, 0.2876,
0.3646

■ 15.7057, 0.2803,
0.3787

■ 17.0318, 0.2956,
0.3516

■ 15.1903, 0.2741,
0.3939

■ 17.8521, 0.3040,
0.3397

■ 14.7662, 0.2691,
0.4098


■ 18.7832, 0.3127,
0.3290

■ 14.4277, 0.2657,
0.4263

■ 19.8289, 0.3215,
0.3194

■ 14.1679, 0.2640,
0.4430


■ 20.9934, 0.3302,
0.3109

 13.9792, 0.2642,
0.4596


 22.2801, 0.3387,
0.3034

 13.8344, 0.2655,
0.4759

 23.6927, 0.3469,
0.2967

 13.8343, 0.2655,
0.4759

 25.2345, 0.3549,
0.2909

 26.9088, 0.3625,
0.2858

Harmonies

Analogous

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



16.3172, 0.3208, 0.3858



16.3172, 0.2876, 0.3646



16.3172, 0.2620, 0.3328

Triad

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



16.3172, 0.2876, 0.3646



16.3172, 0.2718, 0.2733



16.3172, 0.3799, 0.3502

Complementary

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



16.3172, 0.2876, 0.3646



11.2551, 0.3478, 0.2961

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.



16.3172, 0.3655, 0.3222



16.3172, 0.2876, 0.3646



16.3172, 0.3017, 0.2793

Square

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



16.3172, 0.2876, 0.3646



16.3172, 0.2533, 0.2808



16.3172, 0.3363, 0.2968



16.3172, 0.3750, 0.3749

Rectangle

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



16.3172, 0.2876, 0.3646



16.3172, 0.2522, 0.3114



16.3172, 0.3363, 0.2968



16.3172, 0.3772, 0.3409

Sweetspot

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



16.3179, 0.2876, 0.3646



31.5176, 0.3047, 0.3388



16.7947, 0.3292, 0.4066



7.4250, 0.3036, 0.3402



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



16.3179, 0.2876, 0.3646



27.9391, 0.2825, 0.3742



16.2458, 0.2711, 0.3250



4.4837, 0.3048, 0.3387



15.0889, 0.2657, 0.4766



71.8021, 0.2680, 0.4847

Inverse Universe

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



11.2551, 0.3478, 0.2961



17.5186, 0.3588, 0.2882



11.2579, 0.3744, 0.3330



4.0419, 0.3214, 0.3195



4.6376, 0.5116, 0.2592



21.9558, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 16.3172, 0.2876, 0.3646 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 16.3172, 0.2876, 0.3646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

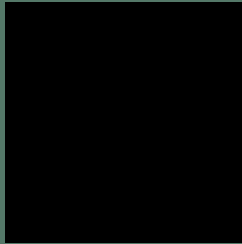
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3172, 0.2876, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 16.3172, 0.2876, 0.3646.

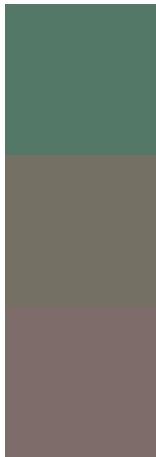


This preview shows how white text looks on a background with the Yxy color 16.3172, 0.2876, 0.3646.

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

16.3172, 0.2876, 0.3646

Protanopia

16.2903, 0.3347, 0.3533

Deuteranopia

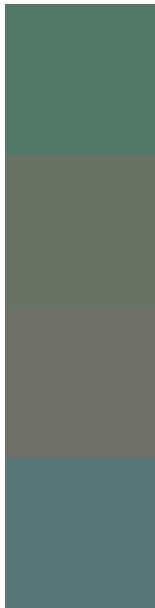
16.1257, 0.3391, 0.3330



Tritanopia

16.3528, 0.2701, 0.3100

Trichromacy



Original Color

16.3172, 0.2876, 0.3646

Protanomaly

16.2043, 0.3165, 0.3585

Deuteranomaly

15.9233, 0.3187, 0.3435

Tritanomaly

16.2911, 0.2762, 0.3289

Monochromacy



Original Color

16.3172, 0.2876, 0.3646

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.2816, 0.3030, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3172, 0.2876, 0.3646 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(84, 120, 104)` looks like.

```
.text, #text, p{  
    color:rgb(84, 120, 104)  
}
```

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(84, 120, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 120, 104) }
```

Border

The CSS property to change the border of an element to Yxy 16.3172, 0.2876, 0.3646 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(84, 120, 104) }
```

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

```
.border{ border-color:rgb(84, 120, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 120, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 120, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 120, 104);  
box-shadow:4px 4px 4px 4px rgb(84, 120,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3172, 0.2876, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 120, 104) }
```

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

```
.background{ background-color: rgb(84, 120,  
104) }
```

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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