

Converting Colors

$Y_{xy}(14.9165, 0.2775, 0.3564)$

Have a look what the booklet for
Yxy(14.9165, 0.2775, 0.3564)
contains.

Yxy(14.9861, 0.2772, 0.3567)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(14.9861, 0.2772, 0.3567)

Conversions

Conversions Part 1

Format	Color
Hex	4B7468
RGB	75, 116, 104
RGB Percent	29%, 45%, 41%
CMY	0.7059, 0.5451, 0.5921
CMYK	0.35, 0.00, 0.10, 0.55
HSL	162°, 21%, 37%
HSV	162°, 35%, 45%
XYZ	11.6461, 14.9861, 15.3810
YIQ	102.3730, -20.5840, -12.4240

Conversions

Conversions Part 2

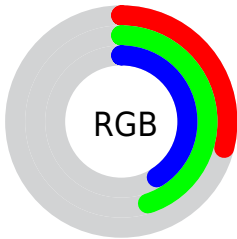
Format	Color
RYB	75, 99, 116
Decimal	4945000
CIELab	45.62, -17.24, 2.07
CIElCh	46, 17.365, 173.147
Yxy	14.9861, 0.2772, 0.3567
Android (android.graphics.Color)	4283135080 (0xFF4B7468)
YUV	102.3730, 0.8021, -24.0061
Hunter-Lab	38.7119, -14.0460, 3.5412

Details

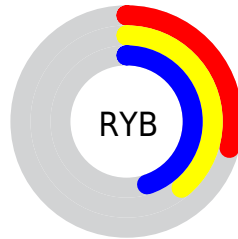
The Yxy color **14.9861, 0.2772, 0.3567** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.4320, 0.3678, 0.3033**, and the grayscale version is **13.3919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.7318, 0.2857, 0.3497**, and **4.6627, 0.2602, 0.3724** is the 20% darker color. If you saturate the color by 10%, you get **14.4934, 0.2690, 0.3660**, and if you desaturate by 10%, it is **15.5681, 0.2864, 0.3480**.

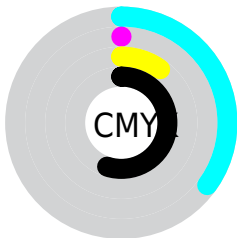
Distribution



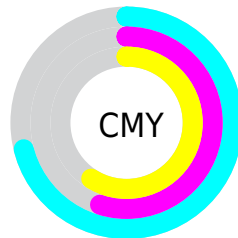
- Red (29%)
- Green (45%)
- Blue (41%)



- Red (29%)
- Yellow (39%)
- Blue (45%)



- Cyan (35%)
- Magenta (0%)
- Yellow (10%)
- Black (55%)





- Cyan (71%)
- Magenta (55%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.9861, 0.2772, 0.3567 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 14.9861, 0.2772, 0.3567 by changing the saturation by 10% instead.


 14.9861, 0.2772,
0.3567


 14.9861, 0.2772,
0.3567


223.2821, 0.2983,
0.3401


 8.8096, 0.2703,
0.3622


 34.8288, 0.2859,
0.3498


 4.6172, 0.2601,
0.3705

 49.2638, 0.2889,
0.3475


 2.0245, 0.2434,
0.3842

 67.2205, 0.2912,
0.3456

 0.6216, 0.1284,
0.4697

 89.0831, 0.2932,
0.3441

 0.0000, 0.0000,
0.0000

 115.2362, 0.2948,
0.3429

146.0642, 0.2961,

0.3418

181.9513, 0.2973,
0.3409

■ 14.9861, 0.2772,
0.3567

■ 14.9861, 0.2772,
0.3567

■ 14.4934, 0.2690,
0.3660

■ 15.5681, 0.2864,
0.3480

■ 14.0834, 0.2621,
0.3758

■ 16.2419, 0.2964,
0.3400

■ 13.7518, 0.2566,
0.3860

■ 17.0122, 0.3070,
0.3326

■ 13.4927, 0.2529,
0.3965

■ 17.8826, 0.3178,
0.3260

■ 13.2997, 0.2510,
0.4071

■ 18.8569, 0.3287,
0.3200

■ 13.1613, 0.2508,
0.4177

■ 19.9384, 0.3396,
0.3147

■ 13.1022, 0.2507,
0.4227

■ 21.1303, 0.3503,
0.3100

■ 22.4358, 0.3607,
0.3059

■ 23.8578, 0.3708,
0.3023

Harmonies

Analogous

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



14.9861, 0.3102, 0.3834



14.9861, 0.2772, 0.3567



14.9861, 0.2544, 0.3224

Triad

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



14.9861, 0.2772, 0.3567



14.9861, 0.2785, 0.2715



14.9861, 0.3835, 0.3595

Complementary

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



14.9861, 0.2772, 0.3567



9.4320, 0.3678, 0.3033

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.



14.9861, 0.3744, 0.3306



14.9861, 0.2772, 0.3567



14.9861, 0.3121, 0.2818

Square

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



14.9861, 0.2772, 0.3567



14.9861, 0.2552, 0.2749



14.9861, 0.3477, 0.3029



14.9861, 0.3723, 0.3827

Rectangle

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



14.9861, 0.2772, 0.3567



14.9861, 0.2475, 0.3015



14.9861, 0.3477, 0.3029



14.9861, 0.3827, 0.3501

Sweetspot

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



14.9867, 0.2772, 0.3567



29.0801, 0.3007, 0.3369



15.0396, 0.3235, 0.4241



6.9046, 0.2996, 0.3377



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



14.9867, 0.2772, 0.3567



25.6611, 0.2708, 0.3638



13.4396, 0.2629, 0.3100



4.1379, 0.3030, 0.3353



14.6998, 0.2509, 0.4232



71.4792, 0.2525, 0.4288

Inverse Universe

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



9.4320, 0.3678, 0.3033



14.4203, 0.3854, 0.2976



10.4373, 0.3850, 0.3470



3.7168, 0.3234, 0.3228



4.2927, 0.5703, 0.2915



20.7866, 0.5836, 0.2989

Previews

White Background



This preview shows how the Yxy color 14.9861, 0.2772, 0.3567 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 14.9861, 0.2772, 0.3567 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

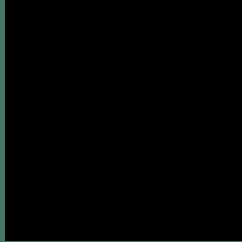
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.9861, 0.2772, 0.3567

Background



This preview shows how black text looks on a background with the Yxy color 14.9861, 0.2772, 0.3567.



This preview shows how white text looks on a background with the Yxy color 14.9861, 0.2772, 0.3567.

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

14.9861, 0.2772, 0.3567

Protanopia

14.7957, 0.3288, 0.3459

Deuteranopia

14.8137, 0.3287, 0.3230



Tritanopia

14.8777, 0.2626, 0.3091

Trichromacy



Original Color

14.9861, 0.2772, 0.3567

Protanomaly

14.6881, 0.3078, 0.3488

Deuteranomaly

14.5905, 0.3071, 0.3333

Tritanomaly

14.8921, 0.2688, 0.3266

Monochromacy



Original Color

14.9861, 0.2772, 0.3567

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.7700, 0.2975, 0.3380

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.9861, 0.2772, 0.3567 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, 116, 104)` looks like.

```
.text, #text, p{  
    color:rgb(75, 116, 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(75, 116, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 116, 104) }
```

Border

The CSS property to change the border of an element to Yxy 14.9861, 0.2772, 0.3567 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, 116, 104) }
```

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

```
.border{ border-color:rgb(75, 116, 104) }
```

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

Here you see how a box with a 4 pixel rgb(75, 116, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 116, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 116, 104);  
box-shadow:4px 4px 4px 4px rgb(75, 116,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 14.9861, 0.2772, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 116, 104) }
```

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

```
.background{ background-color: rgb(75, 116,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor