

Converting Colors

$Y_{xy}(12.0054, 0.2768, 0.3564)$

Have a look what the booklet for
Yxy(12.0054, 0.2768, 0.3564)
contains.

Yxy(12.1046, 0.2767, 0.3568)	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

$\text{Yxy}(12.1046, 0.2767, 0.3568)$

Conversions

Conversions Part 1

Format	Color
Hex	43695E
RGB	67, 105, 94
RGB Percent	26%, 41%, 37%
CMY	0.7372, 0.5882, 0.6313
CMYK	0.36, 0.00, 0.10, 0.59
HSL	163°, 22%, 34%
HSV	163°, 36%, 41%
XYZ	9.3872, 12.1046, 12.4337
YIQ	92.3840, -19.1170, -11.4770

Conversions

Conversions Part 2

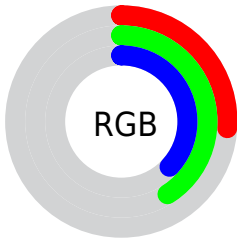
Format	Color
RYB	67, 89, 105
Decimal	4417886
CIELab	41.38, -16.22, 1.90
CIELCh	41, 16.328, 173.306
Yxy	12.1046, 0.2767, 0.3568
Android (android.graphics.Color)	4282607966 (0xFF43695E)
YUV	92.3840, 0.7967, -22.2618
Hunter-Lab	34.7917, -12.7242, 3.1654

Details

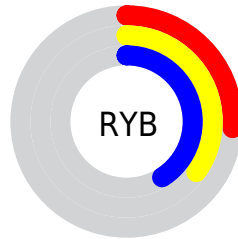
The Yxy color **12.1046, 0.2767, 0.3568** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.5680, 0.3689, 0.3032**, and the grayscale version is **10.7977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5725, 0.2866, 0.3494**, and **3.3882, 0.2580, 0.3744** is the 20% darker color. If you saturate the color by 10%, you get **11.7135, 0.2686, 0.3659**, and if you desaturate by 10%, it is **12.5661, 0.2858, 0.3483**.

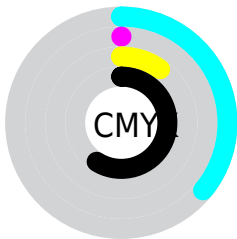
Distribution



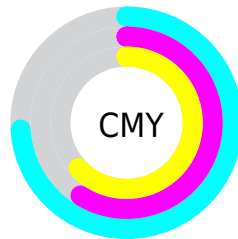
- Red (26%)
- Green (41%)
- Blue (37%)



- Red (26%)
- Yellow (35%)
- Blue (41%)



- Cyan (36%)
- Magenta (0%)
- Yellow (10%)
- Black (59%)




- Cyan (74%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.1046, 0.2767, 0.3568 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 12.1046, 0.2767, 0.3568 by changing the saturation by 10% instead.


 12.1046, 0.2767,
0.3568

 12.1046, 0.2767,
0.3568


205.0965, 0.2987,
0.3397


 6.8150, 0.2691,
0.3628


 29.6855, 0.2860,
0.3495


 3.3466, 0.2574,
0.3722

 42.7455, 0.2891,
0.3471


 1.3153, 0.2370,
0.3888

 59.1644, 0.2915,
0.3452

 0.1530, 0.0000,
0.8204

 79.3266, 0.2935,
0.3437

 0.0000, 0.0000,
0.0000

 103.6166, 0.2952,
0.3424

132.4186, 0.2965,

0.3414

166.1171, 0.2977,
0.3404

■ 12.1046, 0.2767,
0.3568

■ 12.1046, 0.2767,
0.3568

■ 11.7135, 0.2686,
0.3659

■ 12.5661, 0.2858,
0.3483

■ 11.3878, 0.2618,
0.3755

■ 13.1000, 0.2957,
0.3404

■ 11.1238, 0.2564,
0.3855

■ 13.7098, 0.3061,
0.3331

■ 10.9172, 0.2527,
0.3958

■ 14.3987, 0.3168,
0.3266

■ 10.7627, 0.2508,
0.4061

■ 15.1694, 0.3277,
0.3207

■ 10.6480, 0.2503,
0.4165

■ 16.0245, 0.3385,
0.3154

■ 10.6063, 0.2502,
0.4205

■ 16.9667, 0.3491,
0.3107

■ 17.9984, 0.3595,
0.3066

■ 19.1218, 0.3696,
0.3030

Harmonies

Analogous

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



12.1046, 0.3100, 0.3839



12.1046, 0.2767, 0.3568



12.1046, 0.2538, 0.3221

Triad

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



12.1046, 0.2767, 0.3568



12.1046, 0.2783, 0.2710



12.1046, 0.3842, 0.3599

Complementary

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



12.1046, 0.2767, 0.3568



7.5680, 0.3689, 0.3032

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.



12.1046, 0.3751, 0.3308



12.1046, 0.2767, 0.3568



12.1046, 0.3123, 0.2814

Square

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



12.1046, 0.2767, 0.3568



12.1046, 0.2548, 0.2743



12.1046, 0.3482, 0.3028



12.1046, 0.3728, 0.3833

Rectangle

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



12.1046, 0.2767, 0.3568



12.1046, 0.2468, 0.3010



12.1046, 0.3482, 0.3028



12.1046, 0.3834, 0.3504

Sweetspot

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



12.1051, 0.2767, 0.3568



23.9713, 0.3007, 0.3368



12.1454, 0.3236, 0.4254



5.5918, 0.2998, 0.3374



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



12.1051, 0.2767, 0.3568



21.1015, 0.2701, 0.3641



10.8371, 0.2623, 0.3097



3.4777, 0.3032, 0.3351



13.4229, 0.2505, 0.4218



68.2397, 0.2521, 0.4277

Inverse Universe

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



7.5680, 0.3689, 0.3032



11.7337, 0.3874, 0.2974



8.3871, 0.3862, 0.3472



3.1299, 0.3233, 0.3230



3.9178, 0.5702, 0.2915



19.8289, 0.5843, 0.2993

Previews

White Background



This preview shows how the Yxy color 12.1046, 0.2767, 0.3568 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 12.1046, 0.2767, 0.3568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

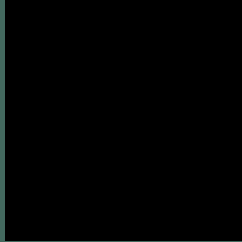
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.1046, 0.2767, 0.3568

Background



This preview shows how black text looks on a background with the Yxy color 12.1046, 0.2767, 0.3568.



This preview shows how white text looks on a background with the Yxy color 12.1046, 0.2767, 0.3568.

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

12.1046, 0.2767, 0.3568

Protanopia

12.0543, 0.3288, 0.3450

Deuteranopia

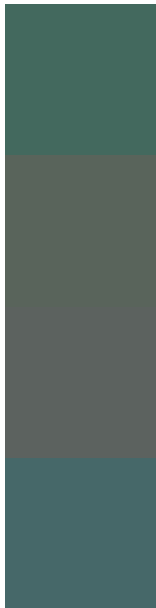
11.9757, 0.3301, 0.3246



Tritanopia

12.1878, 0.2622, 0.3097

Trichromacy



Original Color

12.1046, 0.2767, 0.3568

Protanomaly

11.9935, 0.3088, 0.3505

Deuteranomaly

11.8369, 0.3079, 0.3361

Tritanomaly

12.2226, 0.2678, 0.3264

Monochromacy



Original Color

12.1046, 0.2767, 0.3568

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1787, 0.2976, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1046, 0.2767, 0.3568 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(67, 105, 94)` looks like.

```
.text, #text, p{  
    color:rgb(67, 105, 94)  
}
```

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(67, 105, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 105, 94) }
```

Border

The CSS property to change the border of an element to Yxy 12.1046, 0.2767, 0.3568 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(67, 105, 94) }
```

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

```
.border{ border-color:rgb(67, 105, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 105, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 105, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 105, 94);  
box-shadow:4px 4px 4px 4px rgb(67, 105,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1046, 0.2767, 0.3568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 105, 94) }
```

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

```
.background{ background-color: rgb(67, 105,  
94) }
```

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