

Converting Colors

$Y_{xy}(12.8619, 0.2763, 0.3967)$

Have a look what the booklet for
Yxy(12.8619, 0.2763, 0.3967)
contains.

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Color

$\text{Yxy}(12.8655, 0.2762, 0.3968)$

Conversions

Conversions Part 1

Format	Color
Hex	386F55
RGB	56, 111, 85
RGB Percent	22%, 44%, 33%
CMY	0.7803, 0.5647, 0.6667
CMYK	0.50, 0.00, 0.23, 0.56
HSL	152°, 33%, 33%
HSV	152°, 50%, 44%
XYZ	8.9553, 12.8655, 10.6024
YIQ	91.5910, -24.4340, -19.7460

Conversions

Conversions Part 2

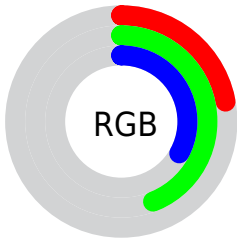
Format	Color
R_{YB}	56, 92, 111
Decimal	3698517
CIE _{Lab}	42.56, -24.89, 8.95
CIE _{LCh}	43, 26.456, 160.219
Yxy	12.8655, 0.2762, 0.3968
Android (android.graphics.Color)	4281888597 (0xFF386F55)
YUV	91.5910, -3.2494, -31.2133
Hunter-Lab	35.8685, -18.2039, 7.5824

Details

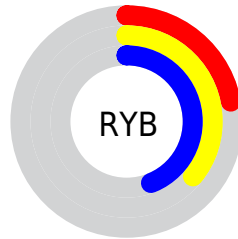
The Yxy color **12.8655, 0.2762, 0.3968** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **6.8195, 0.3780, 0.2715**, and the grayscale version is **10.6164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0695, 0.2860, 0.3776**, and **3.7082, 0.2548, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **12.5004, 0.2714, 0.4136**, and if you desaturate by 10%, it is **13.3088, 0.2822, 0.3808**.

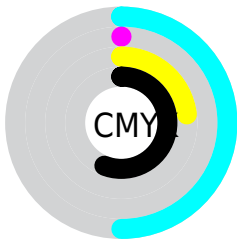
Distribution



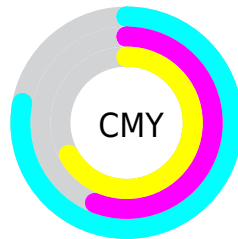
- Red (22%)
- Green (44%)
- Blue (33%)



- Red (22%)
- Yellow (36%)
- Blue (44%)



- Cyan (50%)
- Magenta (0%)
- Yellow (23%)
- Black (56%)



- Cyan (78%)
- Magenta (56%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8655, 0.2762, 0.3968 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 12.8655, 0.2762, 0.3968 by changing the saturation by 10% instead.

12.8655, 0.2762,
0.3968

12.8655, 0.2762,
0.3968

210.0539, 0.2990,
0.3543

7.3360, 0.2680,
0.4123

31.0619, 0.2860,
0.3784

3.6731, 0.2551,
0.4367

44.4977, 0.2892,
0.3725

1.4924, 0.2307,
0.4823

61.3376, 0.2917,
0.3678

0.2834, 0.0000,
1.0000

81.9661, 0.2937,
0.3641

0.0000, 0.0000,
0.0000

106.7676, 0.2954,
0.3610

136.1264, 0.2968,

0.3584

170.4271, 0.2980,
0.3562

■ 12.8655, 0.2762,
0.3968

■ 12.8655, 0.2762,
0.3968

■ 12.5004, 0.2714,
0.4136

■ 13.3088, 0.2822,
0.3808

■ 12.2070, 0.2681,
0.4311

■ 13.8332, 0.2892,
0.3659

■ 11.9804, 0.2664,
0.4487

■ 14.4433, 0.2968,
0.3522


■ 11.8144, 0.2666,
0.4662

■ 15.1429, 0.3049,
0.3397


■ 11.6853, 0.2678,
0.4834


■ 15.9355, 0.3131,
0.3285

 11.6794, 0.2678,
0.4842

 16.8246, 0.3214,
0.3185

 17.8134, 0.3296,
0.3095

 18.9049, 0.3376,
0.3016

 20.1020, 0.3454,
0.2946

Harmonies

Analogous

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



12.8655, 0.3309, 0.4296



12.8655, 0.2762, 0.3968



12.8655, 0.2337, 0.3409

Triad

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



12.8655, 0.2762, 0.3968



12.8655, 0.2408, 0.2397



12.8655, 0.4243, 0.3544

Complementary

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



12.8655, 0.2762, 0.3968



6.8195, 0.3780, 0.2715

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.



12.8655, 0.3963, 0.3106



12.8655, 0.2762, 0.3968



12.8655, 0.2864, 0.2476

Square

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



12.8655, 0.2762, 0.3968



12.8655, 0.2153, 0.2524



12.8655, 0.3439, 0.2728



12.8655, 0.4186, 0.3967

Rectangle

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



12.8655, 0.2762, 0.3968



12.8655, 0.2170, 0.3036



12.8655, 0.3439, 0.2728



12.8655, 0.4186, 0.3395

Sweetspot

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



12.8660, 0.2762, 0.3968



26.3596, 0.3001, 0.3469



13.4754, 0.3398, 0.4611



6.2847, 0.2988, 0.3490



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.8660, 0.2762, 0.3968



22.3212, 0.2710, 0.4155



13.1591, 0.2503, 0.3266



3.7898, 0.3053, 0.3391



13.7573, 0.2682, 0.4855



68.3559, 0.2707, 0.4945

Inverse Universe

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



6.8195, 0.3780, 0.2715



10.1643, 0.4006, 0.2603



6.5852, 0.4394, 0.3314



3.4253, 0.3208, 0.3191



4.2749, 0.4991, 0.2523



21.1231, 0.5113, 0.2591

Previews

White Background



This preview shows how the Yxy color 12.8655, 0.2762, 0.3968 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 12.8655, 0.2762, 0.3968 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 12.8655, 0.2762, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 12.8655, 0.2762, 0.3968.



This preview shows how white text looks on a background with the Yxy color 12.8655, 0.2762, 0.3968.

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

12.8655, 0.2762, 0.3968

Protanopia

12.7577, 0.3501, 0.3738

Deuteranopia

12.6477, 0.3527, 0.3463



Tritanopia

12.8663, 0.2515, 0.3075

Trichromacy



Original Color

12.8655, 0.2762, 0.3968

Protanomaly

12.5845, 0.3187, 0.3820

Deuteranomaly

12.3226, 0.3199, 0.3621

Tritanomaly

12.7371, 0.2597, 0.3363

Monochromacy



Original Color

12.8655, 0.2762, 0.3968

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.3072, 0.2972, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8655, 0.2762, 0.3968 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(56, 111, 85)` looks like.

```
.text, #text, p{  
    color:rgb(56, 111, 85)  
}
```

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(56, 111, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 111, 85) }
```

Border

The CSS property to change the border of an element to Yxy 12.8655, 0.2762, 0.3968 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(56, 111, 85) }
```

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

```
.border{ border-color:rgb(56, 111, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 111, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 111, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 111, 85);  
box-shadow:4px 4px 4px 4px rgb(56, 111,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8655, 0.2762, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 111, 85) }
```

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

```
.background{ background-color: rgb(56, 111,  
85) }
```

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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