

Converting Colors

$Y_{xy}(10.6411, 0.2901, 0.3868)$

Have a look what the booklet for
Yxy(10.6411, 0.2901, 0.3868)
contains.

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Color

Yxy(10.5637, 0.2908, 0.3863)

Conversions

Conversions Part 1

Format	Color
Hex	40634E
RGB	64, 99, 78
RGB Percent	25%, 39%, 31%
CMY	0.7490, 0.6118, 0.6941
CMYK	0.35, 0.00, 0.21, 0.61
HSL	144°, 21%, 32%
HSV	144°, 35%, 39%
XYZ	7.9522, 10.5637, 8.8300
YIQ	86.1410, -14.1190, -13.9510

Conversions

Conversions Part 2

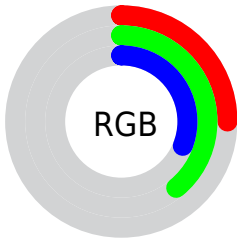
Format	Color
RYB	64, 89, 99
Decimal	4219726
CIELab	38.84, -17.68, 7.98
CIELCh	39, 19.392, 155.715
Yxy	10.5637, 0.2908, 0.3863
Android (android.graphics.Color)	4282409806 (0xFF40634E)
YUV	86.1410, -4.0135, -19.4177
Hunter-Lab	32.5018, -13.2049, 6.6436

Details

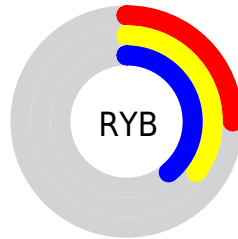
The Yxy color **10.5637, 0.2908, 0.3863** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.9764, 0.3436, 0.2782**, and the grayscale version is **9.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8557, 0.2971, 0.3703**, and **2.7001, 0.2756, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **10.1797, 0.2856, 0.4060**, and if you desaturate by 10%, it is **11.0152, 0.2966, 0.3681**.

Distribution



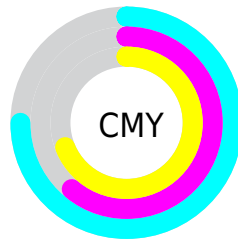
- Red (25%)
- Green (39%)
- Blue (31%)



- Red (25%)
- Yellow (35%)
- Blue (39%)



- Cyan (35%)
- Magenta (0%)
- Yellow (21%)
- Black (61%)





- Cyan (75%)
- Magenta (61%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.5637, 0.2908, 0.3863 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 10.5637, 0.2908, 0.3863 by changing the saturation by 10% instead.


 10.5637, 0.2908,
0.3863


 10.5637, 0.2908,
0.3863


194.6493, 0.3049,
0.3497


 5.7743, 0.2853,
0.4003

 26.8505, 0.2971,
0.3701


 2.7083, 0.2763,
0.4232


 39.1167, 0.2990,
0.3650

 0.9814, 0.2507,
0.4939

 54.6439, 0.3006,
0.3611

 0.0000, 0.0000,
0.0000

 73.8165, 0.3018,
0.3579

 97.0190, 0.3028,
0.3553

 124.6357, 0.3036,

0.3531

157.0510, 0.3043,
0.3513

■ 10.5637, 0.2908,
0.3863

■ 10.5637, 0.2908,
0.3863

■ 10.1797, 0.2856,
0.4060

■ 11.0152, 0.2966,
0.3681

■ 9.8587, 0.2814,
0.4269

■ 11.5359, 0.3028,
0.3514

■ 9.5973, 0.2783,
0.4487


■ 12.1293, 0.3093,
0.3364


■ 9.3916, 0.2766,
0.4706


■ 12.7980, 0.3157,
0.3229

■ 9.2371, 0.2766,
0.4921

■ 13.5446, 0.3221,
0.3110


 9.1232, 0.2779,
0.5127

 14.3716, 0.3283,
0.3004

 9.0742, 0.2783,
0.5220

 15.2812, 0.3343,
0.2911

 16.2759, 0.3401,
0.2829

 17.3576, 0.3455,
0.2758

Harmonies

Analogous

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



10.5637, 0.3347, 0.4080



10.5637, 0.2908, 0.3863



10.5637, 0.2545, 0.3456

Triad

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



10.5637, 0.2908, 0.3863



10.5637, 0.2514, 0.2581



10.5637, 0.3982, 0.3453

Complementary

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



10.5637, 0.2908, 0.3863



6.9764, 0.3436, 0.2782

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.



10.5637, 0.3728, 0.3100



10.5637, 0.2908, 0.3863



10.5637, 0.2861, 0.2616

Square

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



10.5637, 0.2908, 0.3863



10.5637, 0.2331, 0.2719



10.5637, 0.3307, 0.2802



10.5637, 0.3984, 0.3795

Rectangle

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



10.5637, 0.2908, 0.3863



10.5637, 0.2388, 0.3163



10.5637, 0.3307, 0.2802



10.5637, 0.3923, 0.3333

Sweetspot

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



10.5641, 0.2908, 0.3863



20.1845, 0.3054, 0.3452



11.2253, 0.3396, 0.4173



4.7775, 0.3049, 0.3465



52.2522, 0.3127, 0.3290



5.0876, 0.3127, 0.3290

Same Dimension

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



10.5641, 0.2908, 0.3863



17.5953, 0.2867, 0.4017



10.8492, 0.2700, 0.3380



2.8713, 0.3070, 0.3415



11.8212, 0.2791, 0.5246



62.9869, 0.2821, 0.5355

Inverse Universe

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



6.9764, 0.3436, 0.2782



10.4834, 0.3531, 0.2667



6.7320, 0.3812, 0.3204



2.6128, 0.3189, 0.3169



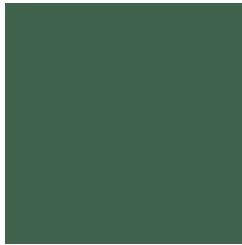
3.8667, 0.4470, 0.2236



20.4794, 0.4568, 0.2290

Previews

White Background



This preview shows how the Yxy color 10.5637, 0.2908, 0.3863 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 10.5637, 0.2908, 0.3863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

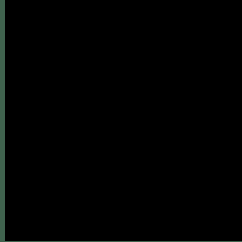
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.5637, 0.2908, 0.3863

Background



This preview shows how black text looks on a background with the Yxy color 10.5637, 0.2908, 0.3863.



This preview shows how white text looks on a background with the Yxy color 10.5637, 0.2908, 0.3863.

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

10.5637, 0.2908, 0.3863

Protanopia

10.5180, 0.3487, 0.3702

Deuteranopia

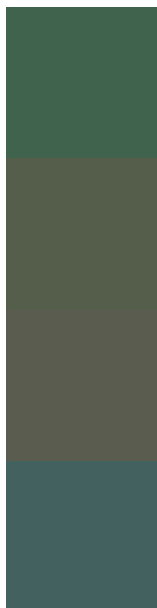
10.5017, 0.3525, 0.3477



Tritanopia

10.6102, 0.2665, 0.3112

Trichromacy



Original Color

10.5637, 0.2908, 0.3863

Protanomaly

10.4447, 0.3261, 0.3776

Deuteranomaly

10.3427, 0.3272, 0.3616

Tritanomaly

10.5508, 0.2748, 0.3367

Monochromacy



Original Color

10.5637, 0.2908, 0.3863

Achromatopsia

9.3059, 0.3127, 0.3290

Achromatomaly

9.7264, 0.3039, 0.3500

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5637, 0.2908, 0.3863 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(64, 99, 78) looks like.

```
.text, #text, p{  
    color:rgb(64, 99, 78)  
}
```

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(64, 99, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 99, 78) }
```

Border

The CSS property to change the border of an element to Yxy 10.5637, 0.2908, 0.3863 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(64, 99, 78) }
```

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

```
.border{ border-color:rgb(64, 99, 78) }
```

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

Here you see how a box with a 4 pixel rgb(64, 99, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 99, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 99, 78);  
box-shadow:4px 4px 4px 4px rgb(64, 99, 78)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.5637, 0.2908, 0.3863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 99, 78) }
```

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

```
.background{ background-color: rgb(64, 99,  
78) }
```

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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