

Converting Colors

$Y_{xy}(10.6418, 0.2798, 0.4036)$

Have a look what the booklet for
Yxy(10.6418, 0.2798, 0.4036)
contains.

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Color

Yxy(10.7408, 0.2805, 0.4051)

Conversions

Conversions Part 1

Format	Color
Hex	34664B
RGB	52, 102, 75
RGB Percent	20%, 40%, 29%
CMY	0.7961, 0.6000, 0.7059
CMYK	0.49, 0.00, 0.26, 0.60
HSL	148°, 32%, 30%
HSV	148°, 49%, 40%
XYZ	7.4372, 10.7408, 8.3360
YIQ	83.9720, -21.1330, -18.9970

Conversions

Conversions Part 2

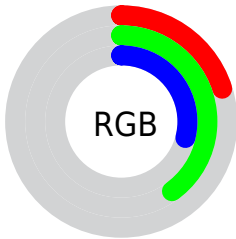
Format	Color
RYB	52, 86, 102
Decimal	3434059
CIELab	39.14, -23.82, 10.15
CIElCh	39, 25.887, 156.925
Yxy	10.7408, 0.2805, 0.4051
Android (android.graphics.Color)	4281624139 (0xFF34664B)
YUV	83.9720, -4.4232, -28.0394
Hunter-Lab	32.7732, -16.8463, 7.8606

Details

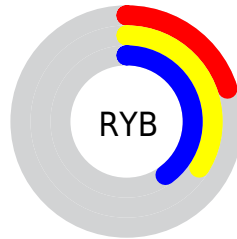
The Yxy color **10.7408, 0.2805, 0.4051** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **5.8455, 0.3680, 0.2649**, and the grayscale version is **8.8721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0625, 0.2897, 0.3823**, and **2.8313, 0.2601, 0.4565** is the 20% darker color. If you saturate the color by 10%, you get **10.4270, 0.2762, 0.4242**, and if you desaturate by 10%, it is **11.1205, 0.2859, 0.3870**.

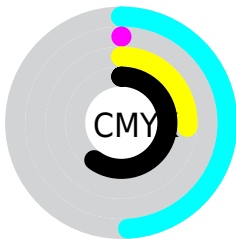
Distribution



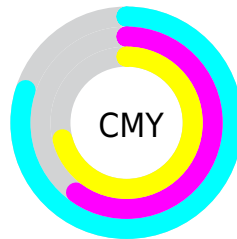
- Red (20%)
- Green (40%)
- Blue (29%)



- Red (20%)
- Yellow (34%)
- Blue (40%)



- Cyan (49%)
- Magenta (0%)
- Yellow (26%)
- Black (60%)




- Cyan (80%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.7408, 0.2805, 0.4051 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 10.7408, 0.2805, 0.4051 by changing the saturation by 10% instead.


 10.7408, 0.2805,
0.4051


 10.7408, 0.2805,
0.4051


195.8805, 0.3013,
0.3562


 5.8928, 0.2724,
0.4240

 27.1799, 0.2898,
0.3834


 2.7800, 0.2589,
0.4551


 39.5397, 0.2927,
0.3766

 1.0180, 0.2124,
0.5684

 55.1723, 0.2949,
0.3713

 0.0000, 0.0000,
0.0000

 74.4621, 0.2967,
0.3671

 97.7934, 0.2982,
0.3636

 125.5507, 0.2994,

0.3607

158.1182, 0.3004,
0.3583

■ 10.7408, 0.2805,
0.4051

■ 10.7408, 0.2805,
0.4051

■ 10.4270, 0.2762,
0.4242

■ 11.1205, 0.2859,
0.3870

■ 10.1738, 0.2732,
0.4440

■ 11.5685, 0.2922,
0.3701

■ 9.9773, 0.2718,
0.4640


■ 12.0885, 0.2990,
0.3546


■ 9.8324, 0.2721,
0.4835


■ 12.6837, 0.3061,
0.3405


■ 9.7186, 0.2734,
0.5026


■ 13.3570, 0.3134,
0.3278

 9.7078, 0.2734,
0.5044

 14.1112, 0.3207,
0.3165

 14.9489, 0.3279,
0.3065

 15.8726, 0.3348,
0.2977

 16.8848, 0.3415,
0.2899

Harmonies

Analogous

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



10.7408, 0.3377, 0.4353



10.7408, 0.2805, 0.4051



10.7408, 0.2346, 0.3480

Triad

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



10.7408, 0.2805, 0.4051



10.7408, 0.2342, 0.2369



10.7408, 0.4272, 0.3499

Complementary

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



10.7408, 0.2805, 0.4051



5.8455, 0.3680, 0.2649

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.



10.7408, 0.3945, 0.3050



10.7408, 0.2805, 0.4051



10.7408, 0.2793, 0.2430

Square

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



10.7408, 0.2805, 0.4051



10.7408, 0.2104, 0.2523



10.7408, 0.3383, 0.2673



10.7408, 0.4249, 0.3943

Rectangle

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



10.7408, 0.2805, 0.4051



10.7408, 0.2157, 0.3084



10.7408, 0.3383, 0.2673



10.7408, 0.4199, 0.3346

Sweetspot

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



10.7412, 0.2805, 0.4051



21.5588, 0.3015, 0.3493



11.4351, 0.3445, 0.4561



5.0507, 0.3005, 0.3514



53.8236, 0.3127, 0.3290



5.4972, 0.3127, 0.3290

Same Dimension

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



10.7412, 0.2805, 0.4051



18.2041, 0.2756, 0.4275



11.1439, 0.2541, 0.3354



3.1616, 0.3062, 0.3403



12.4594, 0.2741, 0.5067



64.8094, 0.2769, 0.5170

Inverse Universe

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



5.8455, 0.3680, 0.2649



8.4827, 0.3879, 0.2515



5.5519, 0.4301, 0.3233



2.8688, 0.3198, 0.3179



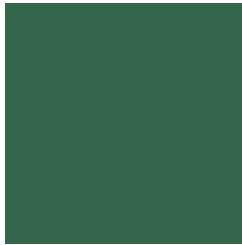
3.9756, 0.4710, 0.2368



20.5565, 0.4822, 0.2430

Previews

White Background



This preview shows how the Yxy color 10.7408, 0.2805, 0.4051 looks on a white background.

Color Contrast Check

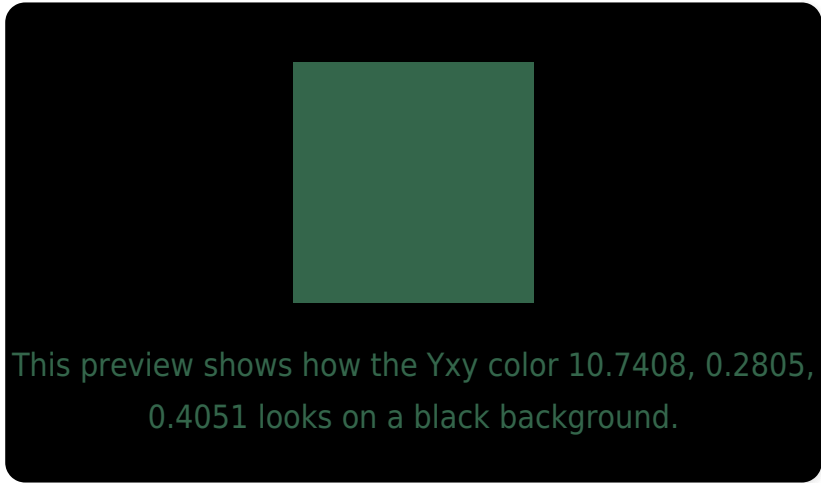
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

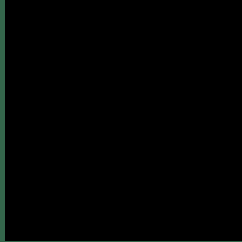
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7408, 0.2805, 0.4051

Background



This preview shows how black text looks on a background with the Yxy color 10.7408, 0.2805, 0.4051.



This preview shows how white text looks on a background with the Yxy color 10.7408, 0.2805, 0.4051.

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

10.7408, 0.2805, 0.4051

Protanopia

10.6932, 0.3561, 0.3820

Deuteranopia

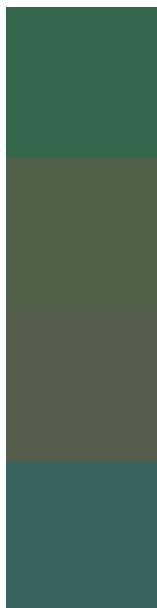
10.5937, 0.3593, 0.3521



Tritanopia

10.7366, 0.2537, 0.3084

Trichromacy



Original Color

10.7408, 0.2805, 0.4051

Protanomaly

10.5830, 0.3234, 0.3914

Deuteranomaly

10.3430, 0.3250, 0.3697

Tritanomaly

10.6198, 0.2626, 0.3395

Monochromacy



Original Color

10.7408, 0.2805, 0.4051

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.4540, 0.2976, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7408, 0.2805, 0.4051 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(52, 102, 75)` looks like.

```
.text, #text, p{  
  color:rgb(52, 102, 75)  
}
```

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(52, 102, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 102, 75) }
```

Border

The CSS property to change the border of an element to Yxy 10.7408, 0.2805, 0.4051 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(52, 102, 75) }
```

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

```
.border{ border-color:rgb(52, 102, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 102, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 102, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 102, 75);  
box-shadow:4px 4px 4px 4px rgb(52, 102,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7408, 0.2805, 0.4051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 102, 75) }
```

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

```
.background{ background-color: rgb(52, 102,  
75) }
```

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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