

Converting Colors

$Y_{xy}(10.7449, 0.3626, 0.3866)$

Have a look what the booklet for
Yxy(10.7449, 0.3626, 0.3866)
contains.

Yxy(10.7810, 0.3626, 0.3861)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.7810, 0.3626, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	645C44
RGB	100, 92, 68
RGB Percent	39%, 36%, 27%
CMY	0.6079, 0.6392, 0.7333
CMYK	0.00, 0.08, 0.32, 0.61
HSL	45°, 19%, 33%
HSV	45°, 32%, 39%
XYZ	10.1248, 10.7810, 7.0170
YIQ	91.6560, 12.4720, -5.7680

Conversions

Conversions Part 2

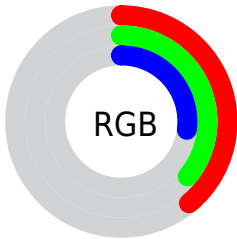
Format	Color
R_{YB}	79, 100, 68
Decimal	6577220
CIE Lab	39.21, -0.95, 15.00
CIE LCh	39, 15.033, 93.622
Yxy	10.7810, 0.3626, 0.3861
Android (android.graphics.Color)	4284767300 (0xFF645C44)
YUV	91.6560, -11.6624, 7.3177
Hunter-Lab	32.8344, -2.4181, 10.3133

Details

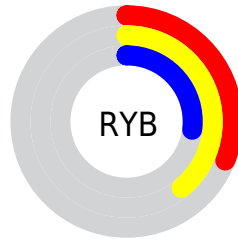
The Yxy color **10.7810, 0.3626, 0.3861** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **7.3152, 0.2627, 0.2644**, and the grayscale version is **10.6444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.1863, 0.3496, 0.3714**, and **2.7811, 0.3900, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **10.2446, 0.3800, 0.4041**, and if you desaturate by 10%, it is **11.3534, 0.3459, 0.3678**.

Distribution



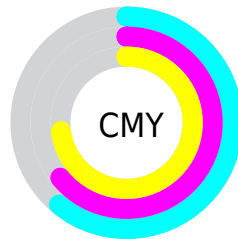
- Red (39%)
- Green (36%)
- Blue (27%)



- Red (31%)
- Yellow (39%)
- Blue (27%)



- Cyan (0%)
- Magenta (8%)
- Yellow (32%)
- Black (61%)



- Cyan (61%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.7810, 0.3626, 0.3861 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 10.7810, 0.3626, 0.3861 by changing the saturation by 10% instead.

■ 10.7810, 0.3626,
0.3861

■ 10.7810, 0.3626,
0.3861

■ 196.1589, 0.3319,
0.3508

■ 5.9198, 0.3732,
0.3984

■ 27.2545, 0.3496,
0.3710

■ 2.7964, 0.3891,
0.4171

■ 39.6355, 0.3453,
0.3661

■ 1.0264, 0.4663,
0.5037

■ 55.2920, 0.3419,
0.3622

■ 0.0000, 0.0000,
0.0000

■ 74.6082, 0.3392,
0.3591

■ 97.9686, 0.3369,
0.3565

125.7576, 0.3350,

0.3543

158.3595, 0.3333,
0.3524

■ 10.7810, 0.3626,
0.3861

■ 10.7810, 0.3626,
0.3861

■ 10.2446, 0.3800,
0.4041

■ 11.3534, 0.3459,
0.3678

■ 9.7416, 0.3976,
0.4211

■ 11.9615, 0.3301,
0.3498

■ 9.2712, 0.4149,
0.4364

■ 12.6068, 0.3155,
0.3324

■ 8.8320, 0.4312,
0.4490

■ 13.2903, 0.3020,
0.3158

■ 8.4223, 0.4459,
0.4581

■ 14.0130, 0.2898,
0.3003

■ 8.0402, 0.4583,
0.4632

■ 14.7758, 0.2786,
0.2858

■ 7.7469, 0.4681,
0.4665

■ 15.5795, 0.2686,
0.2725

■ 16.4250, 0.2596,
0.2602

■ 17.3131, 0.2514,
0.2489

Harmonies

Analogous

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



10.7810, 0.3795, 0.3674



10.7810, 0.3626, 0.3861



10.7810, 0.3327, 0.3895

Triad

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



10.7810, 0.3626, 0.3861



10.7810, 0.2519, 0.3117



10.7810, 0.3244, 0.2894

Complementary

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



10.7810, 0.3626, 0.3861



7.3152, 0.2627, 0.2644

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.



10.7810, 0.2902, 0.2754



10.7810, 0.3626, 0.3861



10.7810, 0.2499, 0.2864

Square

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



10.7810, 0.3626, 0.3861



10.7810, 0.2693, 0.3444



10.7810, 0.2635, 0.2739



10.7810, 0.3570, 0.3127

Rectangle

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



10.7810, 0.3626, 0.3861



10.7810, 0.3098, 0.3812



10.7810, 0.2635, 0.2739



10.7810, 0.3127, 0.2835

Sweetspot

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



10.7815, 0.3626, 0.3861



21.1640, 0.3276, 0.3468



7.3652, 0.3625, 0.3095



5.1802, 0.3291, 0.3486



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.



10.7815, 0.3626, 0.3861



18.2305, 0.3749, 0.3990



11.8033, 0.3448, 0.4065



3.1583, 0.3255, 0.3444



10.3045, 0.4690, 0.4658



52.3090, 0.4726, 0.4630

Inverse Universe

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



7.3152, 0.2627, 0.2644



11.1671, 0.2503, 0.2472



6.5913, 0.2734, 0.2452



2.8643, 0.2999, 0.3131



2.0922, 0.1598, 0.0952



9.7014, 0.1573, 0.0862

Previews

White Background



This preview shows how the Yxy color 10.7810, 0.3626, 0.3861 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 10.7810, 0.3626, 0.3861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

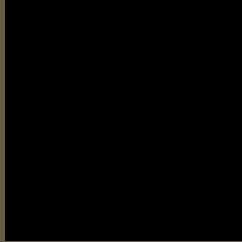
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.7810, 0.3626, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 10.7810, 0.3626, 0.3861.

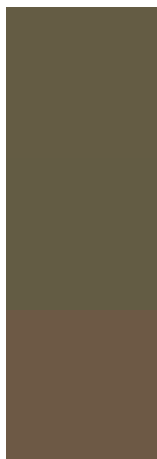


This preview shows how white text looks on a background with the Yxy color 10.7810, 0.3626, 0.3861.

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

10.7810, 0.3626, 0.3861

Protanopia

10.7243, 0.3609, 0.3864

Deuteranopia

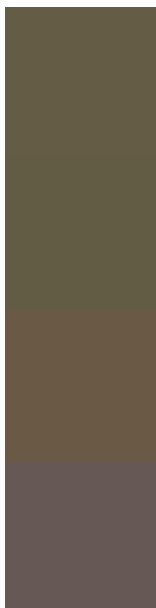
10.8256, 0.3787, 0.3743



Tritanopia

10.6892, 0.3266, 0.3131

Trichromacy



Original Color

10.7810, 0.3626, 0.3861

Protanomaly

10.7243, 0.3609, 0.3864

Deuteranomaly

10.8062, 0.3728, 0.3774

Tritanomaly

10.6254, 0.3405, 0.3384

Monochromacy



Original Color

10.7810, 0.3626, 0.3861

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7117, 0.3310, 0.3508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.7810, 0.3626, 0.3861 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(100, 92, 68)` looks like.

```
.text, #text, p{  
    color:rgb(100, 92, 68)  
}
```

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(100, 92, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 92, 68) }
```

Border

The CSS property to change the border of an element to Yxy 10.7810, 0.3626, 0.3861 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(100, 92, 68) }
```

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

```
.border{ border-color:rgb(100, 92, 68) }
```

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

Here you see how a box with a 4 pixel rgb(100, 92, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 92, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 92, 68);  
box-shadow:4px 4px 4px 4px rgb(100, 92,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 10.7810, 0.3626, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 92, 68) }
```

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

```
.background{ background-color: rgb(100, 92,  
68) }
```

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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