

Converting Colors

$Y_{xy}(10.2298, 0.3608, 0.4677)$

Have a look what the booklet for
Yxy(10.2298, 0.3608, 0.4677)
contains.

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Color

Yxy(10.2384, 0.3612, 0.4676)

Conversions

Conversions Part 1

Format	Color
Hex	50602A
RGB	80, 96, 42
RGB Percent	31%, 38%, 16%
CMY	0.6863, 0.6235, 0.8353
CMYK	0.17, 0.00, 0.56, 0.62
HSL	78°, 39%, 27%
HSV	78°, 56%, 38%
XYZ	7.9087, 10.2384, 3.7485
YIQ	85.0600, 7.7980, -20.1860

Conversions

Conversions Part 2

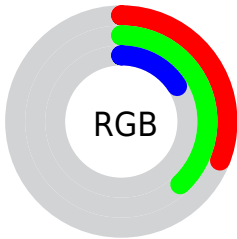
Format	Color
RYB	42, 96, 58
Decimal	5267498
CIELab	38.27, -15.62, 28.50
CIElCh	38, 32.502, 118.730
Yxy	10.2384, 0.3612, 0.4676
Android (android.graphics.Color)	4283457578 (0xFF50602A)
YUV	85.0600, -21.2286, -4.4376
Hunter-Lab	31.9975, -11.8764, 15.4524

Details

The Yxy color **10.2384, 0.3612, 0.4676** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3.3990, 0.2395, 0.1738**, and the grayscale version is **9.1415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4140, 0.3516, 0.4300**, and **2.6213, 0.3725, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **10.0570, 0.3666, 0.4902**, and if you desaturate by 10%, it is **10.4425, 0.3542, 0.4431**.

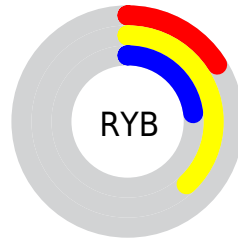
Distribution



Red (31%)

Green (38%)

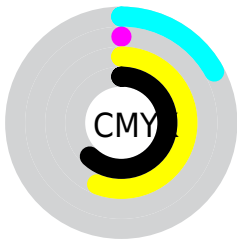
Blue (16%)



Red (16%)

Yellow (38%)

Blue (23%)

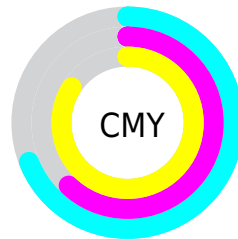


Cyan (17%)

Magenta (0%)

Yellow (56%)

Black (62%)



Cyan (69%)


Magenta (62%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2384, 0.3612, 0.4676 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 10.2384, 0.3612, 0.4676 by changing the saturation by 10% instead.


 10.2384, 0.3612,
0.4676


 10.2384, 0.3612,
0.4676


192.3652, 0.3340,
0.3793


 5.5573, 0.3672,
0.4991

 26.2430, 0.3511,
0.4293


 2.5778, 0.3860,
0.5679


 38.3352, 0.3473,
0.4169

 0.9155, 0.3479,
0.6521

 53.6666, 0.3441,
0.4072

 0.0000, 0.0000,
0.0000

 72.6216, 0.3414,
0.3994

 95.5846, 0.3391,
0.3931

 122.9399, 0.3372,

0.3877

155.0720, 0.3355,
0.3832

■ 10.2384, 0.3612,
0.4676

■ 10.2384, 0.3612,
0.4676

■ 10.0570, 0.3666,
0.4902

■ 10.4425, 0.3542,
0.4431

■ 9.8955, 0.3701,
0.5098

■ 10.6690, 0.3461,
0.4177

■ 9.7531, 0.3714,
0.5258

■ 10.9194, 0.3372,
0.3921

■ 9.6256, 0.3711,
0.5387

■ 11.1947, 0.3279,
0.3672

■ 9.5794, 0.3710,
0.5437

■ 11.4958, 0.3185,
0.3433

■ 11.8236, 0.3093,
0.3208

■ 12.1789, 0.3004,
0.2999

■ 12.5624, 0.2920,
0.2807

■ 12.9750, 0.2840,
0.2632

Harmonies

Analogous

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



10.2384, 0.4241, 0.4421



10.2384, 0.3612, 0.4676



10.2384, 0.2891, 0.4444

Triad

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



10.2384, 0.3612, 0.4676



10.2384, 0.1836, 0.2419



10.2384, 0.3991, 0.2842

Complementary

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



10.2384, 0.3612, 0.4676



3.3990, 0.2395, 0.1738

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.



10.2384, 0.3229, 0.2426



10.2384, 0.3612, 0.4676



10.2384, 0.2045, 0.2172

Square

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



10.2384, 0.3612, 0.4676



10.2384, 0.1908, 0.2964



10.2384, 0.2524, 0.2187



10.2384, 0.4516, 0.3365

Rectangle

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



10.2384, 0.3612, 0.4676



10.2384, 0.2455, 0.4009



10.2384, 0.2524, 0.2187



10.2384, 0.3748, 0.2688

Sweetspot

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



10.2389, 0.3612, 0.4676



19.5458, 0.3290, 0.3702



5.6093, 0.4407, 0.3679



4.8375, 0.3302, 0.3734



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.



10.2389, 0.3612, 0.4676



17.5040, 0.3682, 0.4980



9.3092, 0.3200, 0.4879



2.9345, 0.3210, 0.3494



13.2928, 0.3701, 0.5444



70.5424, 0.3671, 0.5467

Inverse Universe

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



3.3990, 0.2395, 0.1738



4.1252, 0.2172, 0.1348



4.3983, 0.2932, 0.1947



2.5480, 0.3040, 0.3083



1.5017, 0.1737, 0.0730



7.6141, 0.1683, 0.0701

Previews

White Background



This preview shows how the Yxy color 10.2384, 0.3612, 0.4676 looks on a white background.

Color Contrast Check

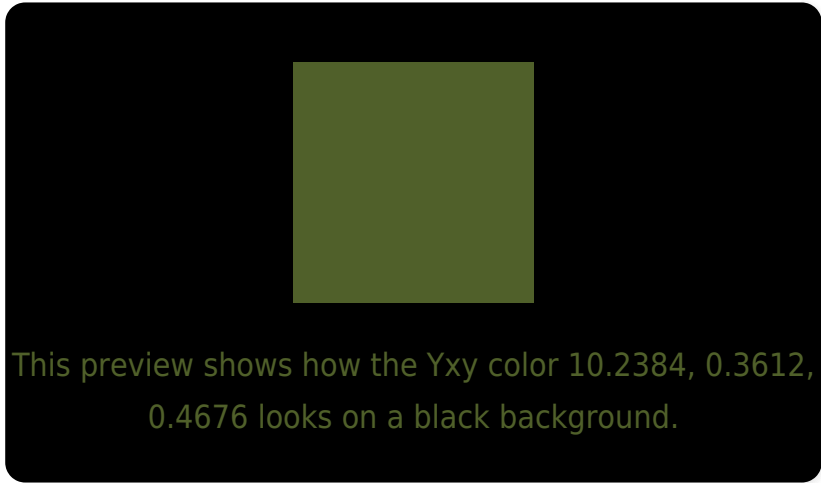
Large Text (above 18pt) WCAG AA ✓ Pass

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

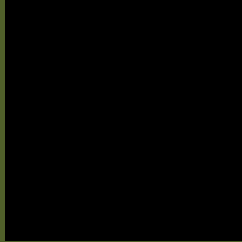
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2384, 0.3612, 0.4676

Background



This preview shows how black text looks on a background with the Yxy color 10.2384, 0.3612, 0.4676.



This preview shows how white text looks on a background with the Yxy color 10.2384, 0.3612, 0.4676.

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

10.2384, 0.3612, 0.4676

Protanopia

10.1749, 0.4050, 0.4433

Deuteranopia

10.2245, 0.4229, 0.4175



Tritanopia

10.2016, 0.2979, 0.3119

Trichromacy



Original Color

10.2384, 0.3612, 0.4676

Protanomaly

10.1415, 0.3889, 0.4512

Deuteranomaly

10.2035, 0.3998, 0.4355

Tritanomaly

10.0749, 0.3220, 0.3677

Monochromacy



Original Color

10.2384, 0.3612, 0.4676

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.4134, 0.3333, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2384, 0.3612, 0.4676 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(80, 96, 42)` looks like.

```
.text, #text, p{  
  color:rgb(80, 96, 42)  
}
```

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(80, 96, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 96, 42) }
```

Border

The CSS property to change the border of an element to Yxy 10.2384, 0.3612, 0.4676 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(80, 96, 42) }
```

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

```
.border{ border-color:rgb(80, 96, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 96, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 96, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 96, 42);  
box-shadow:4px 4px 4px 4px rgb(80, 96, 42)  
}
```


Background

The CSS property to change the background color of an element to Yxy 10.2384, 0.3612, 0.4676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 96, 42) }
```

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

```
.background{ background-color: rgb(80, 96,  
42) }
```

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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