

Converting Colors

$Y_{xy}(10.7330, 0.3563, 0.5406)$

Have a look what the booklet for
Yxy(10.7330, 0.3563, 0.5406)
contains.

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Color

Yxy(10.6875, 0.3570, 0.5400)

Conversions

Conversions Part 1

Format	Color
Hex	42660C
RGB	66, 102, 12
RGB Percent	26%, 40%, 5%
CMY	0.7411, 0.6000, 0.9529
CMYK	0.35, 0.00, 0.88, 0.60
HSL	84°, 79%, 22%
HSV	84°, 88%, 40%
XYZ	7.0656, 10.6875, 2.0385
YIQ	80.9760, 7.4340, -35.6220

Conversions

Conversions Part 2

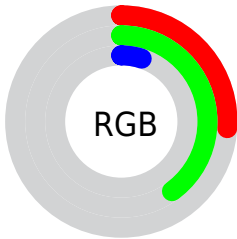
Format	Color
RYB	12, 102, 48
Decimal	4351500
CIELab	39.05, -27.04, 41.81
CIELCh	39, 49.790, 122.899
Yxy	10.6875, 0.3570, 0.5400
Android (android.graphics.Color)	4282541580 (0xFF42660C)
YUV	80.9760, -34.0052, -13.1340
Hunter-Lab	32.6917, -18.6316, 19.1871

Details

The Yxy color **10.6875, 0.3570, 0.5400** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.8506, 0.2045, 0.1010**, and the grayscale version is **8.2922, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.0157, 0.3538, 0.4824**, and **2.8339, 0.3215, 0.5829** is the 20% darker color. If you saturate the color by 10%, you get **10.5287, 0.3549, 0.5541**, and if you desaturate by 10%, it is **10.8669, 0.3577, 0.5231**.

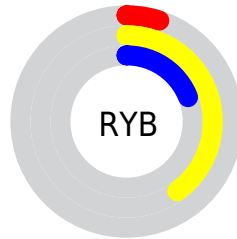
Distribution



Red (26%)

Green (40%)

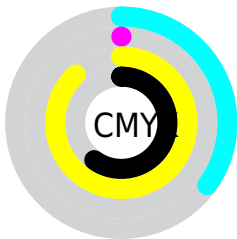
Blue (5%)



Red (5%)

Yellow (40%)

Blue (19%)

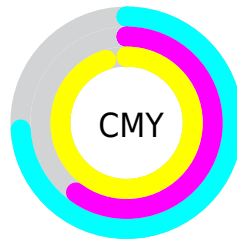


Cyan (35%)

Magenta (0%)

Yellow (88%)

Black (60%)



Cyan (74%)


Magenta (60%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.6875, 0.3570, 0.5400 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 10.6875, 0.3570, 0.5400 by changing the saturation by 10% instead.


 10.6875, 0.3570,
0.5400


 10.6875, 0.3570,
0.5400


195.5109, 0.3382,
0.4063


 5.8571, 0.3555,
0.5865

 27.0808, 0.3535,
0.4833


 2.7584, 0.3447,
0.6553


 39.4126, 0.3508,
0.4644

 1.0069, 0.2248,
0.7752

 55.0136, 0.3481,
0.4496


 0.0000, 0.0000,
0.0000

 74.2682, 0.3457,
0.4375

 97.5608, 0.3435,
0.4276


 125.2759, 0.3415,

0.4193


 157.7978, 0.3398,
0.4123


 10.6875, 0.3570,
0.5400


 10.6875, 0.3570,
0.5400


 10.5287, 0.3549,
0.5541


 10.8669, 0.3577,
0.5231

 10.5015, 0.3546,
0.5567

 11.0718, 0.3563,
0.5022

 11.3045, 0.3529,
0.4782

 11.5665, 0.3479,
0.4523

 11.8594, 0.3417,
0.4254

■ 12.1845, 0.3346,
0.3987

■ 12.5430, 0.3269,
0.3727

■ 12.9362, 0.3191,
0.3481

■ 13.3652, 0.3113,
0.3250

Harmonies

Analogous

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



10.6875, 0.4517, 0.4907



10.6875, 0.3570, 0.5400



10.6875, 0.2567, 0.5023

Triad

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



10.6875, 0.3570, 0.5400



10.6875, 0.1368, 0.1945



10.6875, 0.4563, 0.2713

Complementary

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



10.6875, 0.3570, 0.5400



1.8506, 0.2045, 0.1010

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.



10.6875, 0.3410, 0.2146



10.6875, 0.3570, 0.5400



10.6875, 0.1681, 0.1714

Square

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



10.6875, 0.3570, 0.5400



10.6875, 0.1383, 0.2603



10.6875, 0.2360, 0.1796



10.6875, 0.5252, 0.3396

Rectangle

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



10.6875, 0.3570, 0.5400



10.6875, 0.1997, 0.4233



10.6875, 0.2360, 0.1796



10.6875, 0.4200, 0.2506

Sweetspot

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



10.6880, 0.3570, 0.5400



21.4589, 0.3335, 0.3948



4.8450, 0.5308, 0.3931



5.0289, 0.3352, 0.4010



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.



10.6880, 0.3570, 0.5400



18.3533, 0.3529, 0.5580



9.7054, 0.3069, 0.5772



3.2161, 0.3197, 0.3497



13.4651, 0.3538, 0.5573



69.7093, 0.3502, 0.5602

Inverse Universe

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



1.8506, 0.2045, 0.1010



2.4396, 0.1871, 0.0804



3.4721, 0.2966, 0.1494



2.8121, 0.3053, 0.3081



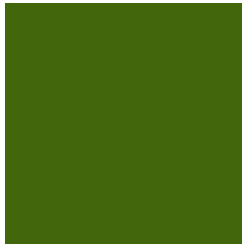
1.8100, 0.1885, 0.0812



8.9590, 0.1828, 0.0781

Previews

White Background



This preview shows how the Yxy color 10.6875, 0.3570, 0.5400 looks on a white background.

Color Contrast Check

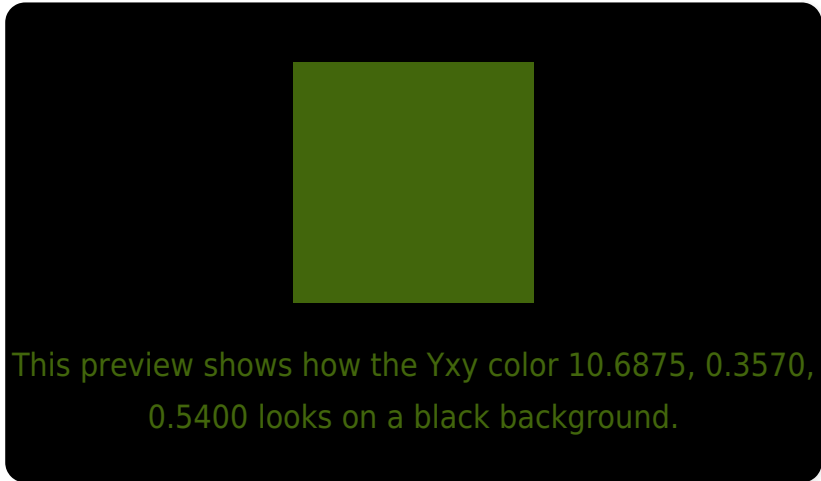
Large Text (above 18pt) WCAG AA ✓ Pass

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

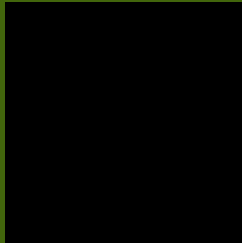
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.6875, 0.3570, 0.5400

Background



This preview shows how black text looks on a background with the Yxy color 10.6875, 0.3570, 0.5400.



This preview shows how white text looks on a background with the Yxy color 10.6875, 0.3570, 0.5400.

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

10.6875, 0.3570, 0.5400

Protanopia

10.5554, 0.4344, 0.4845

Deuteranopia

10.5231, 0.4537, 0.4490



Tritanopia

10.7215, 0.2776, 0.3116

Trichromacy



Original Color

10.6875, 0.3570, 0.5400

Protanomaly

10.5591, 0.4050, 0.5062

Deuteranomaly

10.2427, 0.4178, 0.4822

Tritanomaly

10.5815, 0.3148, 0.4068

Monochromacy



Original Color

10.6875, 0.3570, 0.5400

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.9668, 0.3408, 0.4205

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.6875, 0.3570, 0.5400 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(66, 102, 12)` looks like.

```
.text, #text, p{  
    color:rgb(66, 102, 12)  
}
```

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(66, 102, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 102, 12) }
```

Border

The CSS property to change the border of an element to Yxy 10.6875, 0.3570, 0.5400 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(66, 102, 12) }
```

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

```
.border{ border-color:rgb(66, 102, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 102, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 102, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 102, 12);  
box-shadow:4px 4px 4px 4px rgb(66, 102,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 10.6875, 0.3570, 0.5400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 102, 12) }
```

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

```
.background{ background-color: rgb(66, 102,  
12) }
```

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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