

Converting Colors

$Y_{xy}(11.7808, 0.3273, 0.5783)$

Have a look what the booklet for
Yxy(11.7808, 0.3273, 0.5783)
contains.

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Color

Yxy(11.6873, 0.3273, 0.5783)

Conversions

Conversions Part 1

Format	Color
Hex	2C6E00
RGB	44, 110, 0
RGB Percent	17%, 43%, 0%
CMY	0.8275, 0.5686, 0.9999
CMYK	0.60, 0.00, 1.00, 0.57
HSL	96°, 100%, 22%
HSV	96°, 100%, 43%
XYZ	6.6147, 11.6873, 1.9078
YIQ	77.7260, -4.0260, -48.2020

Conversions

Conversions Part 2

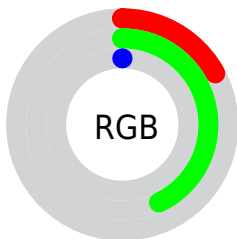
Format	Color
RYB	0, 110, 66
Decimal	2911744
CIELab	40.71, -38.80, 45.84
CIELCh	41, 60.052, 130.243
Yxy	11.6873, 0.3273, 0.5783
Android (android.graphics.Color)	4281101824 (0xFF2C6E00)
YUV	77.7260, -38.3189, -29.5777
Hunter-Lab	34.1867, -25.2894, 20.6220

Details

The Yxy color **11.6873, 0.3273, 0.5783** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.2857, 0.2273, 0.1026**, and the grayscale version is **7.6391, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8091, 0.3345, 0.5111**, and **3.3375, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **11.6874, 0.3273, 0.5783**, and if you desaturate by 10%, it is **11.8700, 0.3310, 0.5628**.

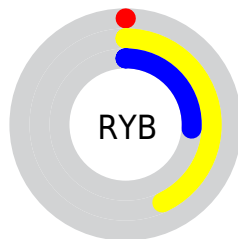
Distribution



Red (17%)

Green (43%)

Blue (0%)



Red (0%)

Yellow (43%)

Blue (26%)

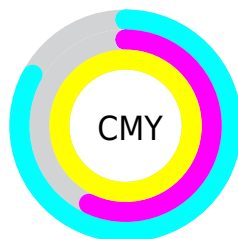


Cyan (60%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (83%)


Magenta (57%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.6873, 0.3273, 0.5783 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 11.6873, 0.3273, 0.5783 by changing the saturation by 10% instead.


 11.6873, 0.3273,
0.5783


 11.6873, 0.3273,
0.5783


 202.3240, 0.3298,
0.4195


 6.5311, 0.3173,
0.6344


 28.9243, 0.3339,
0.5109


 3.1706, 0.2902,
0.7098

 41.7739, 0.3342,
0.4885


 1.2215, 0.1287,
0.8713

 57.9568, 0.3338,
0.4708

 0.0791, 0.0000,
1.0000


 77.8573, 0.3331,
0.4565

 0.0000, 0.0000,
0.0000

 101.8599, 0.3323,
0.4447

 130.3490, 0.3314,

0.4349

 163.7089, 0.3306,
0.4266

 11.6873, 0.3273,
0.5783


 11.6873, 0.3273,
0.5783


 11.6874, 0.3273,
0.5783

 11.8700, 0.3310,
0.5628

 12.0861, 0.3341,
0.5442

 12.3457, 0.3355,
0.5209

 12.6516, 0.3352,
0.4940

 13.0065, 0.3335,
0.4650

■ 13.4128, 0.3305,
0.4354

■ 13.8728, 0.3267,
0.4063

■ 14.3885, 0.3223,
0.3786

■ 14.9619, 0.3175,
0.3527

Harmonies

Analogous

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



11.6873, 0.4380, 0.5270



11.6873, 0.3273, 0.5783



11.6873, 0.2188, 0.5067

Triad

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



11.6873, 0.3273, 0.5783



11.6873, 0.1219, 0.1664



11.6873, 0.5070, 0.2786

Complementary

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



11.6873, 0.3273, 0.5783



2.2857, 0.2273, 0.1026

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.



11.6873, 0.3781, 0.2132



11.6873, 0.3273, 0.5783



11.6873, 0.1643, 0.1521

Square

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



11.6873, 0.3273, 0.5783



11.6873, 0.1139, 0.2234



11.6873, 0.2494, 0.1687



11.6873, 0.5623, 0.3533

Rectangle

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



11.6873, 0.3273, 0.5783



11.6873, 0.1629, 0.3991



11.6873, 0.2494, 0.1687



11.6873, 0.4690, 0.2553

Sweetspot

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



11.6878, 0.3273, 0.5783



24.2923, 0.3270, 0.4087



7.2130, 0.5065, 0.4360



5.5924, 0.3283, 0.4177



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



11.6878, 0.3273, 0.5783



20.4576, 0.3255, 0.5798



11.1767, 0.2968, 0.5885



3.8223, 0.3171, 0.3503



14.0233, 0.3266, 0.5788



69.3828, 0.3229, 0.5818

Inverse Universe

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



2.2857, 0.2273, 0.1026



3.9415, 0.2250, 0.1013



4.2166, 0.3465, 0.1683



3.3901, 0.3080, 0.3079



2.7274, 0.2265, 0.1021



13.0750, 0.2216, 0.0994

Previews

White Background



This preview shows how the Yxy color 11.6873, 0.3273, 0.5783 looks on a white background.

Color Contrast Check

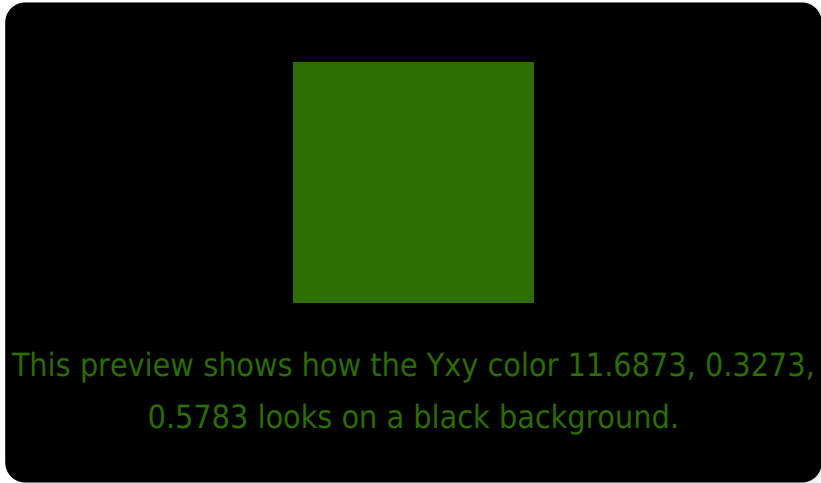
Large Text (above 18pt) WCAG AA ✓ Pass

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

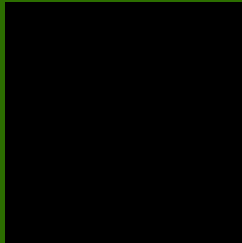
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6873, 0.3273, 0.5783

Background



This preview shows how black text looks on a background with the Yxy color 11.6873, 0.3273, 0.5783.



This preview shows how white text looks on a background with the Yxy color 11.6873, 0.3273, 0.5783.

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

11.6873, 0.3273, 0.5783

Protanopia

11.5539, 0.4392, 0.4895

Deuteranopia

11.5371, 0.4547, 0.4506



Tritanopia

11.6527, 0.2534, 0.3091

Trichromacy



Original Color

11.6873, 0.3273, 0.5783

Protanomaly

11.2387, 0.3932, 0.5260

Deuteranomaly

11.0452, 0.4025, 0.5014

Tritanomaly

11.3576, 0.2899, 0.4259

Monochromacy



Original Color

11.6873, 0.3273, 0.5783

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.7009, 0.3316, 0.4454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6873, 0.3273, 0.5783 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(44, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(44, 110, 0)  
}
```

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(44, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 11.6873, 0.3273, 0.5783 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(44, 110, 0) }
```

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

```
.border{ border-color:rgb(44, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(44, 110, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 11.6873, 0.3273, 0.5783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 110, 0) }
```

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

```
.background{ background-color: rgb(44, 110,  
0) }
```

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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