

Converting Colors

$Y_{xy}(11.6545, 0.3019, 0.4113)$

Have a look what the booklet for
Yxy(11.6545, 0.3019, 0.4113)
contains.

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Color

Yxy(11.6106, 0.3023, 0.4111)

Conversions

Conversions Part 1

Format	Color
Hex	446849
RGB	68, 104, 73
RGB Percent	27%, 41%, 29%
CMY	0.7333, 0.5922, 0.7137
CMYK	0.35, 0.00, 0.30, 0.59
HSL	128°, 21%, 34%
HSV	128°, 35%, 41%
XYZ	8.5378, 11.6106, 8.0944
YIQ	89.7020, -11.5050, -17.2730

Conversions

Conversions Part 2

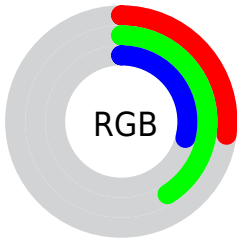
Format	Color
RYB	68, 100, 104
Decimal	4483145
CIELab	40.59, -20.00, 13.47
CIELCh	41, 24.114, 146.028
Yxy	11.6106, 0.3023, 0.4111
Android (android.graphics.Color)	4282673225 (0xFF446849)
YUV	89.7020, -8.2341, -19.0327
Hunter-Lab	34.0743, -14.9045, 9.7677

Details

The Yxy color **11.6106, 0.3023, 0.4111** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7.9808, 0.3253, 0.2589**, and the grayscale version is **10.1760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6297, 0.3052, 0.3872**, and **3.1855, 0.2933, 0.4635** is the 20% darker color. If you saturate the color by 10%, you get **11.1592, 0.2996, 0.4399**, and if you desaturate by 10%, it is **12.1465, 0.3053, 0.3843**.

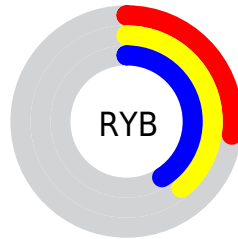
Distribution



Red (27%)

Green (41%)

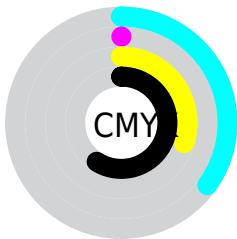
Blue (29%)



Red (27%)

Yellow (39%)

Blue (41%)

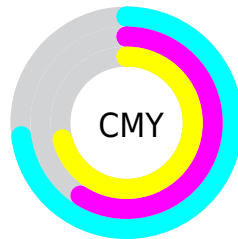


Cyan (35%)

Magenta (0%)

Yellow (30%)

Black (59%)



Cyan (73%)

Magenta (59%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 11.6106, 0.3023, 0.4111 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 11.6106, 0.3023, 0.4111 by changing the saturation by 10% instead.

■ 11.6106, 0.3023,
0.4111

■ 11.6106, 0.3023,
0.4111

201.8100, 0.3097,
0.3588

■ 6.4791, 0.2989,
0.4307

■ 28.7839, 0.3059,
0.3881

■ 3.1385, 0.2927,
0.4625

■ 41.5945, 0.3069,
0.3809

■ 1.2045, 0.2892,
0.5563

■ 57.7335, 0.3076,
0.3752

■ 0.0654, 0.0000,
1.0000

■ 77.5855, 0.3082,
0.3706

■ 0.0000, 0.0000,
0.0000

■ 101.5347, 0.3087,
0.3669

129.9656, 0.3091,

0.3638

163.2626, 0.3094,
0.3611

■ 11.6106, 0.3023,
0.4111

■ 11.6106, 0.3023,
0.4111

■ 11.1592, 0.2996,
0.4399

■ 12.1465, 0.3053,
0.3843

■ 10.7866, 0.2973,
0.4698

■ 12.7693, 0.3083,
0.3600

■ 10.4886, 0.2955,
0.4998


■ 13.4832, 0.3114,
0.3382


■ 10.2602, 0.2946,
0.5282


■ 14.2917, 0.3143,
0.3189


■ 10.0955, 0.2946,
0.5532


■ 15.1981, 0.3171,
0.3020


 9.9845, 0.2953,
0.5736

 16.2055, 0.3197,
0.2873

 9.9332, 0.2952,
0.5827

 17.3169, 0.3221,
0.2744

 18.5352, 0.3244,
0.2633

 19.8631, 0.3265,
0.2535

Harmonies

Analogous

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



11.6106, 0.3549, 0.4265



11.6106, 0.3023, 0.4111



11.6106, 0.2550, 0.3663

Triad

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



11.6106, 0.3023, 0.4111



11.6106, 0.2305, 0.2475



11.6106, 0.4092, 0.3335

Complementary

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



11.6106, 0.3023, 0.4111



7.9808, 0.3253, 0.2589

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.



11.6106, 0.3700, 0.2936



11.6106, 0.3023, 0.4111



11.6106, 0.2655, 0.2459

Square

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



11.6106, 0.3023, 0.4111



11.6106, 0.2162, 0.2698



11.6106, 0.3161, 0.2625



11.6106, 0.4192, 0.3754

Rectangle

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



11.6106, 0.3023, 0.4111



11.6106, 0.2324, 0.3298



11.6106, 0.3161, 0.2625



11.6106, 0.3989, 0.3196

Sweetspot

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



11.6111, 0.3023, 0.4111



22.9236, 0.3096, 0.3502



12.9820, 0.3540, 0.4117



5.5617, 0.3093, 0.3525



55.4222, 0.3127, 0.3290



5.9254, 0.3127, 0.3290

Same Dimension

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



11.6111, 0.3023, 0.4111



19.6818, 0.2999, 0.4357



11.8820, 0.2813, 0.3627



3.1482, 0.3101, 0.3472



12.2416, 0.2956, 0.5841



63.7660, 0.2974, 0.5906

Inverse Universe

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



7.9808, 0.3253, 0.2589



12.2072, 0.3292, 0.2418



7.6769, 0.3598, 0.2979



2.8828, 0.3155, 0.3114



4.5262, 0.3575, 0.1743



23.5107, 0.3600, 0.1757

Previews

White Background



This preview shows how the Yxy color 11.6106, 0.3023, 0.4111 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 11.6106, 0.3023, 0.4111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

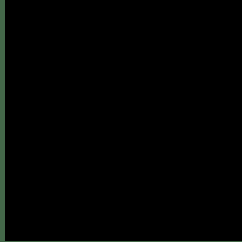
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.6106, 0.3023, 0.4111

Background



This preview shows how black text looks on a background with the Yxy color 11.6106, 0.3023, 0.4111.



This preview shows how white text looks on a background with the Yxy color 11.6106, 0.3023, 0.4111.

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

11.6106, 0.3023, 0.4111

Protanopia

11.4977, 0.3642, 0.3892

Deuteranopia

11.5556, 0.3687, 0.3646



Tritanopia

11.6929, 0.2692, 0.3096

Trichromacy



Original Color

11.6106, 0.3023, 0.4111

Protanomaly

11.3512, 0.3398, 0.3981

Deuteranomaly

11.3066, 0.3416, 0.3797

Tritanomaly

11.5113, 0.2807, 0.3441

Monochromacy



Original Color

11.6106, 0.3023, 0.4111

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

10.6183, 0.3084, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.6106, 0.3023, 0.4111 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(68, 104, 73)` looks like.

```
.text, #text, p{  
    color:rgb(68, 104, 73)  
}
```

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(68, 104, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 104, 73) }
```

Border

The CSS property to change the border of an element to Yxy 11.6106, 0.3023, 0.4111 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(68, 104, 73) }
```

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

```
.border{ border-color:rgb(68, 104, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 104, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 104, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 104, 73);  
box-shadow:4px 4px 4px 4px rgb(68, 104,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 11.6106, 0.3023, 0.4111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 104, 73) }
```

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

```
.background{ background-color: rgb(68, 104,  
73) }
```

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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