

Converting Colors

$Y_{xy}(10.3338, 0.3030, 0.5351)$

Have a look what the booklet for
Yxy(10.3338, 0.3030, 0.5351)
contains.

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Color

Yxy(10.3338, 0.3030, 0.5351)

Conversions

Conversions Part 1

Format	Color
Hex	216821
RGB	33, 104, 33
RGB Percent	13%, 41%, 13%
CMY	0.8707, 0.5921, 0.8705
CMYK	0.68, 0.00, 0.68, 0.59
HSL	120°, 52%, 27%
HSV	120°, 68%, 41%
XYZ	5.8515, 10.3338, 3.1266
YIQ	74.6770, -19.5250, -37.1330

Conversions

Conversions Part 2

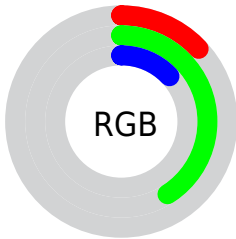
Format	Color
RYB	33, 104, 104
Decimal	2189345
CIELab	38.43, -37.20, 32.61
CIElCh	38, 49.472, 138.765
Yxy	10.3338, 0.3030, 0.5351
Android (android.graphics.Color)	4280379425 (0xFF216821)
YUV	74.6770, -20.5468, -36.5507
Hunter-Lab	32.1462, -23.7639, 16.7357

Details

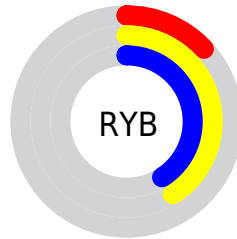
The Yxy color **10.3338, 0.3030, 0.5351** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **5.0277, 0.3197, 0.1837**, and the grayscale version is **7.0143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.4457, 0.3117, 0.4738**, and **2.8283, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.1390, 0.3017, 0.5619**, and if you desaturate by 10%, it is **10.6006, 0.3045, 0.5038**.

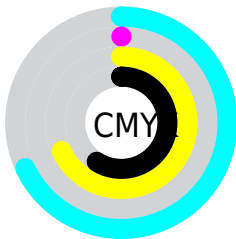
Distribution



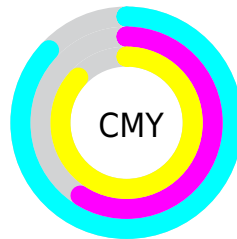
- Red (13%)
- Green (41%)
- Blue (13%)



- Red (13%)
- Yellow (41%)
- Blue (41%)



- Cyan (68%)
- Magenta (0%)
- Yellow (68%)
- Black (59%)





- Cyan (87%)
- Magenta (59%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3338, 0.3030, 0.5351 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 10.3338, 0.3030, 0.5351 by changing the saturation by 10% instead.


 10.3338, 0.3030,
0.5351


 10.3338, 0.3030,
0.5351


193.0381, 0.3154,
0.3992


 5.6208, 0.2919,
0.5870

 26.4215, 0.3114,
0.4743


 2.6159, 0.2857,
0.7143


 38.5650, 0.3131,
0.4553

 0.9347, 0.0000,
1.0000

 53.9541, 0.3141,
0.4406

 0.0000, 0.0000,
0.0000


 72.9733, 0.3147,
0.4289


 96.0069, 0.3150,
0.4194


 123.4393, 0.3153,


0.4115


 155.6549, 0.3154,
0.4049


 10.3338, 0.3030,
0.5351


 10.3338, 0.3030,
0.5351


 10.1390, 0.3017,
0.5619


 10.6006, 0.3045,
0.5038


 10.0080, 0.3008,
0.5820


 10.9439, 0.3060,
0.4703

 9.9169, 0.3001,
0.5972

 11.3696, 0.3076,
0.4368

 9.9017, 0.3000,
0.5999

 11.8825, 0.3091,
0.4048

 12.4870, 0.3105,
0.3752

■ 13.1874, 0.3118,
0.3487

■ 13.9875, 0.3129,
0.3252

■ 14.8910, 0.3139,
0.3047

■ 15.9014, 0.3147,
0.2869

Harmonies

Analogous

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



10.3338, 0.4038, 0.5245



10.3338, 0.3030, 0.5351



10.3338, 0.2098, 0.4423

Triad

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



10.3338, 0.3030, 0.5351



10.3338, 0.1486, 0.1773



10.3338, 0.5027, 0.3063

Complementary

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



10.3338, 0.3030, 0.5351



5.0277, 0.3197, 0.1837

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.



10.3338, 0.4044, 0.2421



10.3338, 0.3030, 0.5351



10.3338, 0.1987, 0.1717

Square

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



10.3338, 0.3030, 0.5351



10.3338, 0.1327, 0.2187



10.3338, 0.2875, 0.1945



10.3338, 0.5312, 0.3782

Rectangle

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



10.3338, 0.3030, 0.5351



10.3338, 0.1658, 0.3516



10.3338, 0.2875, 0.1945



10.3338, 0.4759, 0.2838

Sweetspot

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



10.3342, 0.3030, 0.5351



21.6512, 0.3102, 0.3817



12.9544, 0.4013, 0.4754



5.2276, 0.3099, 0.3877



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.



10.3342, 0.3030, 0.5351



17.6357, 0.3011, 0.5749



10.6476, 0.2704, 0.4340



3.1427, 0.3117, 0.3502



12.2047, 0.3000, 0.5999



63.6536, 0.3000, 0.6000

Inverse Universe

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



5.0277, 0.3197, 0.1837



7.5812, 0.3206, 0.1650



4.4526, 0.4111, 0.2504



2.8890, 0.3137, 0.3087



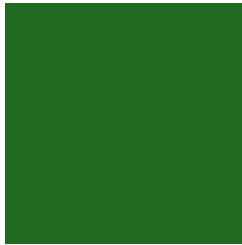
4.8579, 0.3211, 0.1543



25.3360, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 10.3338, 0.3030, 0.5351 looks on a white background.

Color Contrast Check

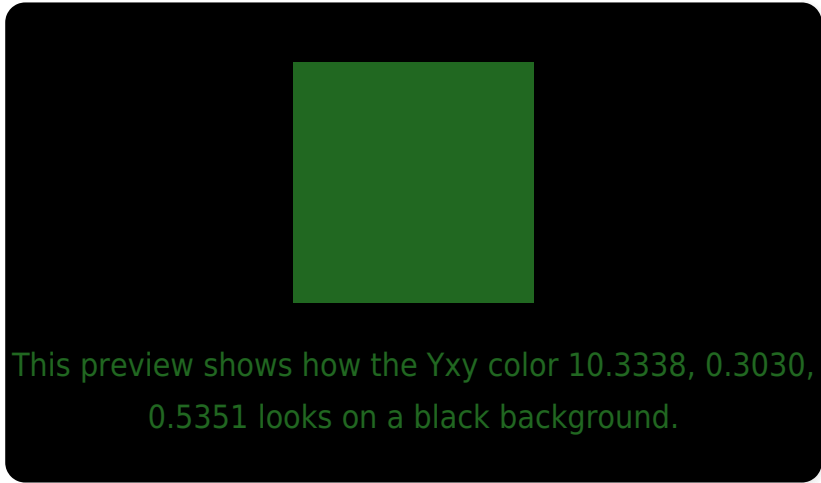
Large Text (above 18pt) WCAG AA ✓ Pass

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

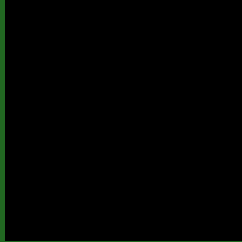
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3338, 0.3030, 0.5351

Background



This preview shows how black text looks on a background with the Yxy color 10.3338, 0.3030, 0.5351.



This preview shows how white text looks on a background with the Yxy color 10.3338, 0.3030, 0.5351.

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

10.3338, 0.3030, 0.5351

Protanopia

10.1677, 0.4193, 0.4611

Deuteranopia

10.2468, 0.4328, 0.4274



Tritanopia

10.2994, 0.2463, 0.3078

Trichromacy



Original Color

10.3338, 0.3030, 0.5351

Protanomaly

9.8147, 0.3679, 0.4942

Deuteranomaly

9.8013, 0.3749, 0.4702

Tritanomaly

10.2367, 0.2682, 0.3894

Monochromacy



Original Color

10.3338, 0.3030, 0.5351

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.9425, 0.3090, 0.4085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3338, 0.3030, 0.5351 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(33, 104, 33)` looks like.

```
.text, #text, p{  
    color:rgb(33, 104, 33)  
}
```

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(33, 104, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 104, 33) }
```

Border

The CSS property to change the border of an element to Yxy 10.3338, 0.3030, 0.5351 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(33, 104, 33) }
```

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

```
.border{ border-color:rgb(33, 104, 33) }
```

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

Here you see how a box with a 4 pixel rgb(33, 104, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 104, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 104, 33);  
box-shadow:4px 4px 4px 4px rgb(33, 104,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3338, 0.3030, 0.5351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 104, 33) }
```

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

```
.background{ background-color: rgb(33, 104,  
33) }
```

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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