

Converting Colors

$Y_{xy}(10.2960, 0.3245, 0.5262)$

Have a look what the booklet for
Yxy(10.2960, 0.3245, 0.5262)
contains.

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Color

Yxy(10.3055, 0.3244, 0.5253)

Conversions

Conversions Part 1

Format	Color
Hex	33661F
RGB	51, 102, 31
RGB Percent	20%, 40%, 12%
CMY	0.8000, 0.6000, 0.8785
CMYK	0.50, 0.00, 0.70, 0.60
HSL	103°, 53%, 26%
HSV	103°, 70%, 40%
XYZ	6.3642, 10.3055, 2.9486
YIQ	78.6570, -7.6050, -32.8930

Conversions

Conversions Part 2

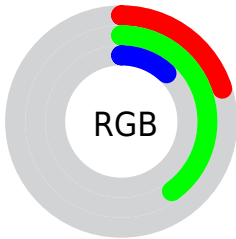
Format	Color
RYB	31, 102, 82
Decimal	3368479
CIELab	38.39, -31.38, 33.71
CIELCh	38, 46.056, 132.955
Yxy	10.3055, 0.3244, 0.5253
Android (android.graphics.Color)	4281558559 (0xFF33661F)
YUV	78.6570, -23.4949, -24.2552
Hunter-Lab	32.1022, -20.7916, 17.0257

Details

The Yxy color **10.3055, 0.3244, 0.5253** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **3.7309, 0.2761, 0.1619**, and the grayscale version is **7.7970, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.5005, 0.3266, 0.4691**, and **2.6383, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **10.0849, 0.3224, 0.5502**, and if you desaturate by 10%, it is **10.5740, 0.3251, 0.4968**.

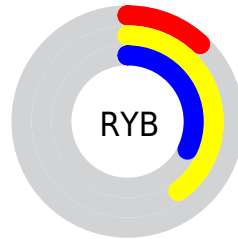
Distribution



Red (20%)

Green (40%)

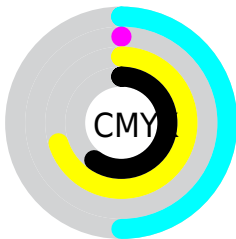
Blue (12%)



Red (12%)

Yellow (40%)

Blue (32%)

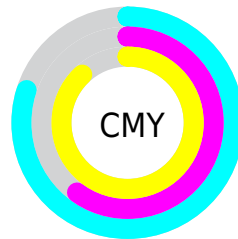


Cyan (50%)

Magenta (0%)

Yellow (70%)

Black (60%)



Cyan (80%)

Magenta (60%)

Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.3055, 0.3244, 0.5253 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 10.3055, 0.3244, 0.5253 by changing the saturation by 10% instead.


 10.3055, 0.3244,
0.5253


 10.3055, 0.3244,
0.5253


192.8388, 0.3233,
0.3972


 5.6020, 0.3180,
0.5727

 26.3686, 0.3270,
0.4686


 2.6046, 0.3176,
0.6824

 38.4969, 0.3268,
0.4507

 0.9290, 0.1112,
0.8888

 53.8689, 0.3263,
0.4367

 0.0000, 0.0000,
0.0000


 72.8691, 0.3256,
0.4256


 95.8817, 0.3250,
0.4165


 123.2913, 0.3244,

0.4090


 155.4822, 0.3238,
0.4026


 10.3055, 0.3244,
0.5253


 10.3055, 0.3244,
0.5253


 10.0849, 0.3224,
0.5502


 10.5740, 0.3251,
0.4968


 9.9079, 0.3193,
0.5700


 10.8918, 0.3247,
0.4664

 9.7656, 0.3161,
0.5867

 11.2620, 0.3233,
0.4357

 9.7608, 0.3160,
0.5873

 11.6868, 0.3212,
0.4058

 12.1685, 0.3185,
0.3777

■ 12.7092, 0.3156,
0.3517

■ 13.3108, 0.3126,
0.3282

■ 13.9751, 0.3095,
0.3070

■ 14.7041, 0.3065,
0.2882

Harmonies

Analogous

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



10.3055, 0.4184, 0.5039



10.3055, 0.3244, 0.5253



10.3055, 0.2323, 0.4562

Triad

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



10.3055, 0.3244, 0.5253



10.3055, 0.1515, 0.1904



10.3055, 0.4763, 0.2963

Complementary

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



10.3055, 0.3244, 0.5253



3.7309, 0.2761, 0.1619

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.



10.3055, 0.3772, 0.2368



10.3055, 0.3244, 0.5253



10.3055, 0.1931, 0.1785

Square

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



10.3055, 0.3244, 0.5253



10.3055, 0.1425, 0.2389



10.3055, 0.2706, 0.1953



10.3055, 0.5185, 0.3646

Rectangle

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



10.3055, 0.3244, 0.5253



10.3055, 0.1851, 0.3749



10.3055, 0.2706, 0.1953



10.3055, 0.4476, 0.2751

Sweetspot

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



10.3059, 0.3244, 0.5253



21.1654, 0.3191, 0.3831



8.9400, 0.4317, 0.4418



4.9549, 0.3196, 0.3883



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.



10.3059, 0.3244, 0.5253



17.4676, 0.3204, 0.5643



9.9942, 0.2900, 0.4983



3.1765, 0.3154, 0.3500



12.5175, 0.3151, 0.5880



64.8938, 0.3116, 0.5908

Inverse Universe

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



3.7309, 0.2761, 0.1619



5.0041, 0.2641, 0.1339



4.4857, 0.3560, 0.2081



2.8522, 0.3097, 0.3084



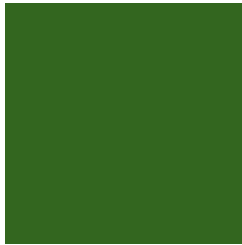
3.0432, 0.2534, 0.1170



15.4159, 0.2494, 0.1148

Previews

White Background



This preview shows how the Yxy color 10.3055, 0.3244, 0.5253 looks on a white background.

Color Contrast Check

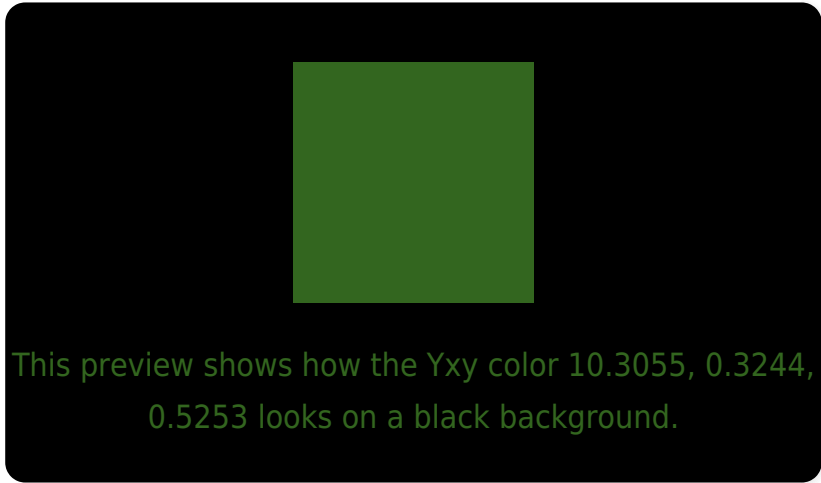
Large Text (above 18pt) WCAG AA ✓ Pass

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

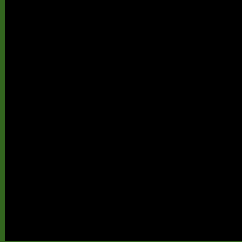
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.3055, 0.3244, 0.5253

Background



This preview shows how black text looks on a background with the Yxy color 10.3055, 0.3244, 0.5253.



This preview shows how white text looks on a background with the Yxy color 10.3055, 0.3244, 0.5253.

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

10.3055, 0.3244, 0.5253

Protanopia

10.1629, 0.4203, 0.4626

Deuteranopia

10.2339, 0.4354, 0.4308



Tritanopia

10.2537, 0.2602, 0.3083

Trichromacy



Original Color

10.3055, 0.3244, 0.5253

Protanomaly

9.9331, 0.3821, 0.4871

Deuteranomaly

9.9493, 0.3907, 0.4656

Tritanomaly

10.2010, 0.2855, 0.3878

Monochromacy



Original Color

10.3055, 0.3244, 0.5253

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.4294, 0.3207, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.3055, 0.3244, 0.5253 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(51, 102, 31)` looks like.

```
.text, #text, p{  
    color:rgb(51, 102, 31)  
}
```

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(51, 102, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 102, 31) }
```

Border

The CSS property to change the border of an element to Yxy 10.3055, 0.3244, 0.5253 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(51, 102, 31) }
```

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

```
.border{ border-color:rgb(51, 102, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 102, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 102, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 102, 31);  
box-shadow:4px 4px 4px 4px rgb(51, 102,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 10.3055, 0.3244, 0.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 102, 31) }
```

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

```
.background{ background-color: rgb(51, 102,  
31) }
```

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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