

Converting Colors

$Yxy(33.1676, 0.3055, 0.4088)$

Have a look what the booklet for
Yxy(33.1676, 0.3055, 0.4088)
contains.

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Color

Yxy(33.1676, 0.3055, 0.4088)

Conversions

Conversions Part 1

Format	Color
Hex	75A879
RGB	117, 168, 121
RGB Percent	46%, 66%, 47%
CMY	0.5413, 0.3411, 0.5255
CMYK	0.30, 0.00, 0.28, 0.34
HSL	125°, 23%, 56%
HSV	125°, 30%, 66%
XYZ	24.7865, 33.1676, 23.1800
YIQ	147.3930, -15.3090, -25.4290

Conversions

Conversions Part 2

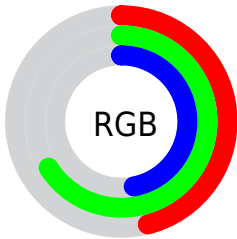
Format	Color
RYB	117, 164, 168
Decimal	7710841
CIELab	64.30, -26.66, 19.02
CIELCh	64, 32.750, 144.494
Yxy	33.1676, 0.3055, 0.4088
Android (android.graphics.Color)	4285900921 (0xFF75A879)
YUV	147.3930, -13.0117, -26.6547
Hunter-Lab	57.5913, -23.9610, 16.4502

Details

The Yxy color **33.1676, 0.3055, 0.4088** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.7225, 0.3207, 0.2604**, and the grayscale version is **29.4064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3774, 0.3071, 0.3907**, and **14.1169, 0.3008, 0.4394** is the 20% darker color. If you saturate the color by 10%, you get **31.7583, 0.3031, 0.4405**, and if you desaturate by 10%, it is **34.8495, 0.3079, 0.3795**.

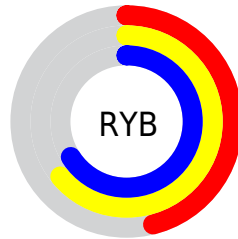
Distribution



Red (46%)

Green (66%)

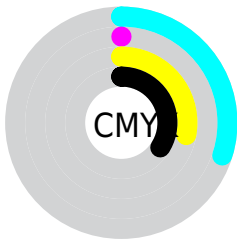
Blue (47%)



Red (46%)

Yellow (64%)

Blue (66%)

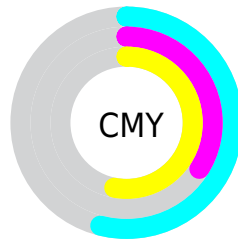


Cyan (30%)

Magenta (0%)

Yellow (28%)

Black (34%)



Cyan (54%)


Magenta (34%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1676, 0.3055, 0.4088 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 33.1676, 0.3055, 0.4088 by changing the saturation by 10% instead.


 33.1676, 0.3055,
0.4088


 33.1676, 0.3055,
0.4088


316.4043, 0.3103,
0.3648


 22.2549, 0.3038,
0.4213


 64.6371, 0.3076,
0.3917

 14.0443, 0.3012,
0.4384


 85.9627, 0.3083,
0.3856

 8.1515, 0.2969,
0.4631


 111.5280, 0.3088,
0.3806

 4.1920, 0.2892,
0.5016

141.7174, 0.3092,
0.3764

 1.7816, 0.2818,
0.5883

176.9153, 0.3096,
0.3729

 0.4756, 0.0000,
1.0000

217.5062, 0.3099,

 0.0000, 0.0000,

0.3698

0.0000

263.8744, 0.3101,
0.3671

■ 33.1676, 0.3055,
0.4088

■ 33.1676, 0.3055,
0.4088

■ 31.7583, 0.3031,
0.4405

■ 34.8495, 0.3079,
0.3795

■ 30.6034, 0.3010,
0.4736

■ 36.8128, 0.3103,
0.3531

■ 29.6888, 0.2993,
0.5065


■ 39.0711, 0.3126,
0.3298


■ 28.9975, 0.2982,
0.5371


■ 41.6360, 0.3148,
0.3095


■ 28.5104, 0.2977,
0.5630


■ 44.5183, 0.3168,
0.2918


 28.2048, 0.2980,
0.5824

 47.7283, 0.3186,
0.2766

 28.0384, 0.2984,
0.5944

 51.2760, 0.3203,
0.2635

 55.1707, 0.3218,
0.2522

 56.4888, 0.3167,
0.2441

Harmonies

Analogous

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



33.1676, 0.3558, 0.4221



33.1676, 0.3055, 0.4088



33.1676, 0.2594, 0.3673

Triad

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



33.1676, 0.3055, 0.4088



33.1676, 0.2325, 0.2514



33.1676, 0.4037, 0.3315

Complementary

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



33.1676, 0.3055, 0.4088



23.7225, 0.3207, 0.2604

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.



33.1676, 0.3652, 0.2933



33.1676, 0.3055, 0.4088



33.1676, 0.2653, 0.2487

Square

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



33.1676, 0.3055, 0.4088



33.1676, 0.2198, 0.2740



33.1676, 0.3134, 0.2639



33.1676, 0.4150, 0.3719

Rectangle

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



33.1676, 0.3055, 0.4088



33.1676, 0.2370, 0.3326



33.1676, 0.3134, 0.2639



33.1676, 0.3934, 0.3182

Sweetspot

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



33.1690, 0.3055, 0.4088



67.2615, 0.3106, 0.3501



37.2498, 0.3542, 0.4041



14.5423, 0.3103, 0.3536



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.1690, 0.3055, 0.4088



58.5186, 0.3040, 0.4285



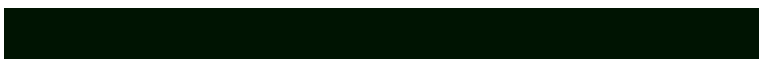
33.8609, 0.2862, 0.3654



8.4170, 0.3106, 0.3504



21.1741, 0.2982, 0.5935



0.5181, 0.2904, 0.5655

Inverse Universe

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



23.7225, 0.3207, 0.2604



38.7746, 0.3226, 0.2464



22.9090, 0.3505, 0.2955



7.6563, 0.3149, 0.3085



8.0718, 0.3413, 0.1654



0.1993, 0.3339, 0.1613

Previews

White Background



This preview shows how the Yxy color 33.1676, 0.3055, 0.4088 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.1676, 0.3055, 0.4088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

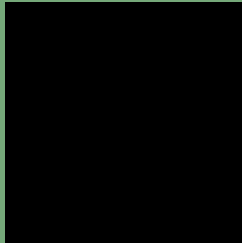
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1676, 0.3055, 0.4088

Background



This preview shows how black text looks on a background with the Yxy color 33.1676, 0.3055, 0.4088.



This preview shows how white text looks on a background with the Yxy color 33.1676, 0.3055, 0.4088.

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

33.1676, 0.3055, 0.4088

Protanopia

32.8960, 0.3635, 0.3889

Deuteranopia

32.7993, 0.3712, 0.3633



Tritanopia

33.0578, 0.2721, 0.3087

Trichromacy



Original Color

33.1676, 0.3055, 0.4088

Protanomaly

32.8155, 0.3408, 0.3969

Deuteranomaly

32.5013, 0.3449, 0.3783

Tritanomaly

33.1284, 0.2837, 0.3435

Monochromacy



Original Color

33.1676, 0.3055, 0.4088

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.5119, 0.3094, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1676, 0.3055, 0.4088 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(117, 168, 121)` looks like.

```
.text, #text, p{  
    color:rgb(117, 168, 121)  
}
```

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(117, 168, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 168, 121) }
```

Border

The CSS property to change the border of an element to Yxy 33.1676, 0.3055, 0.4088 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(117, 168, 121) }
```

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

```
.border{ border-color:rgb(117, 168, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 168, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 168, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 168, 121);  
box-shadow:4px 4px 4px 4px rgb(117, 168,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1676, 0.3055, 0.4088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 168, 121) }
```

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

```
.background{ background-color: rgb(117,  
168, 121) }
```

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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