

Converting Colors

Yxy(33.9748, 0.3229, 0.4480)

Have a look what the booklet for
Yxy(33.9748, 0.3229, 0.4480)
contains.

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Color

Yxy(33.9679, 0.3230, 0.4483)

Conversions

Conversions Part 1

Format	Color
Hex	77AB64
RGB	119, 171, 100
RGB Percent	47%, 67%, 39%
CMY	0.5333, 0.3294, 0.6077
CMYK	0.30, 0.00, 0.42, 0.33
HSL	104°, 30%, 53%
HSV	104°, 42%, 67%
XYZ	24.4739, 33.9679, 17.3287
YIQ	147.3580, -8.2010, -33.1050

Conversions

Conversions Part 2

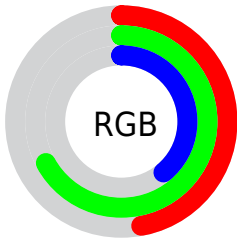
Format	Color
RYB	100, 171, 152
Decimal	7842660
CIELab	64.94, -30.77, 31.16
CIElCh	65, 43.794, 134.638
Yxy	33.9679, 0.3230, 0.4483
Android (android.graphics.Color)	4286032740 (0xFF77AB64)
YUV	147.3580, -23.3475, -24.8700
Hunter-Lab	58.2820, -27.0375, 23.1690

Details

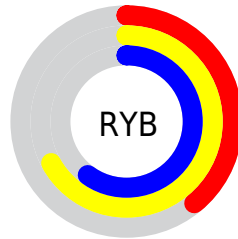
The Yxy color **33.9679, 0.3230, 0.4483** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.7347, 0.2944, 0.2219**, and the grayscale version is **29.4379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0894, 0.3223, 0.4229**, and **14.4337, 0.3220, 0.4901** is the 20% darker color. If you saturate the color by 10%, you get **32.8435, 0.3239, 0.4808**, and if you desaturate by 10%, it is **35.2815, 0.3212, 0.4163**.

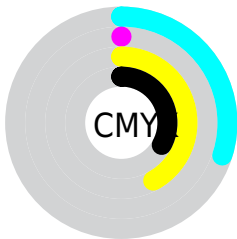
Distribution



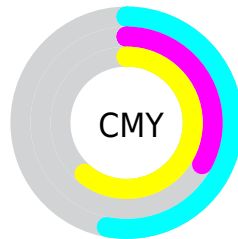
- Red (47%)
- Green (67%)
- Blue (39%)



- Red (39%)
- Yellow (67%)
- Blue (60%)



- Cyan (30%)
- Magenta (0%)
- Yellow (42%)
- Black (33%)




- Cyan (53%)
- Magenta (33%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9679, 0.3230, 0.4483 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 33.9679, 0.3230, 0.4483 by changing the saturation by 10% instead.


 33.9679, 0.3230,
0.4483


 33.9679, 0.3230,
0.4483


319.9889, 0.3198,
0.3824

 22.8689, 0.3228,
0.4668


 65.8837, 0.3225,
0.4228


 14.4968, 0.3217,
0.4919


 87.4694, 0.3221,
0.4137

 8.4670, 0.3186,
0.5273


 113.3195, 0.3217,
0.4062

 4.3952, 0.3104,
0.5803

 143.8183, 0.3213,
0.3999

 1.8970, 0.3019,
0.6981

179.3502, 0.3209,
0.3945

 0.5466, 0.0000,
1.0000

220.2997, 0.3205,

 0.0000, 0.0000,

0.3899

0.0000

267.0511, 0.3201,
0.3859

■ 33.9679, 0.3230,
0.4483

■ 33.9679, 0.3230,
0.4483

■ 32.8435, 0.3239,
0.4808

■ 35.2815, 0.3212,
0.4163

■ 31.8950, 0.3237,
0.5122

■ 36.7882, 0.3189,
0.3860

■ 31.1142, 0.3222,
0.5405


■ 38.4972, 0.3161,
0.3579


■ 30.4902, 0.3193,
0.5639

■ 40.4158, 0.3132,
0.3326


■ 30.0110, 0.3154,
0.5807


■ 42.5511, 0.3102,
0.3099

 29.7009, 0.3118,
0.5906

 44.9096, 0.3072,
0.2899

 47.4976, 0.3043,
0.2722

 50.3213, 0.3015,
0.2567

 53.3865, 0.2989,
0.2431

Harmonies

Analogous

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



33.9679, 0.3868, 0.4483



33.9679, 0.3230, 0.4483



33.9679, 0.2598, 0.4025

Triad

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



33.9679, 0.3230, 0.4483



33.9679, 0.2013, 0.2344



33.9679, 0.4202, 0.3134

Complementary

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



33.9679, 0.3230, 0.4483



18.7347, 0.2944, 0.2219

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.



33.9679, 0.3597, 0.2686



33.9679, 0.3230, 0.4483



33.9679, 0.2342, 0.2244

Square

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



33.9679, 0.3230, 0.4483



33.9679, 0.1941, 0.2705



33.9679, 0.2904, 0.2371



33.9679, 0.4477, 0.3644

Rectangle

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



33.9679, 0.3230, 0.4483



33.9679, 0.2265, 0.3558



33.9679, 0.2904, 0.2371



33.9679, 0.4027, 0.2975

Sweetspot

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



33.9694, 0.3230, 0.4483



68.7193, 0.3163, 0.3598



31.6760, 0.3845, 0.4040



15.2354, 0.3167, 0.3632



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.9694, 0.3230, 0.4483



58.9380, 0.3239, 0.4788



33.0831, 0.2958, 0.4267



9.0392, 0.3155, 0.3521



22.4131, 0.3124, 0.5902



0.6504, 0.3359, 0.5715

Inverse Universe

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



18.7347, 0.2944, 0.2219



27.8458, 0.2887, 0.1979



20.1642, 0.3364, 0.2483



8.0386, 0.3096, 0.3064



5.5432, 0.2551, 0.1179



0.1791, 0.2761, 0.1294

Previews

White Background



This preview shows how the Yxy color 33.9679, 0.3230, 0.4483 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 33.9679, 0.3230, 0.4483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

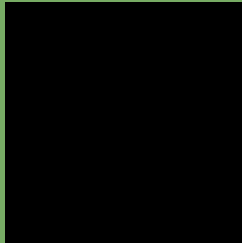
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9679, 0.3230, 0.4483

Background



This preview shows how black text looks on a background with the Yxy color 33.9679, 0.3230, 0.4483.



This preview shows how white text looks on a background with the Yxy color 33.9679, 0.3230, 0.4483.

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

33.9679, 0.3230, 0.4483

Protanopia

33.7108, 0.3866, 0.4186

Deuteranopia

33.5240, 0.3988, 0.3909



Tritanopia

33.8413, 0.2755, 0.3090

Trichromacy



Original Color

33.9679, 0.3230, 0.4483

Protanomaly

33.4760, 0.3618, 0.4293

Deuteranomaly

33.2195, 0.3691, 0.4118

Tritanomaly

33.5604, 0.2926, 0.3564

Monochromacy



Original Color

33.9679, 0.3230, 0.4483

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7070, 0.3176, 0.3717

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9679, 0.3230, 0.4483 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(119, 171, 100)` looks like.

```
.text, #text, p{  
    color:rgb(119, 171, 100)  
}
```

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(119, 171, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 171, 100) }
```

Border

The CSS property to change the border of an element to Yxy 33.9679, 0.3230, 0.4483 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(119, 171, 100) }
```

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

```
.border{ border-color:rgb(119, 171, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 171, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 171, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 171, 100);  
box-shadow:4px 4px 4px 4px rgb(119, 171,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9679, 0.3230, 0.4483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 171, 100) }
```

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

```
.background{ background-color: rgb(119,  
171, 100) }
```

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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