

Converting Colors

$Y_{xy}(30.3230, 0.3505, 0.4864)$

Have a look what the booklet for
Yxy(30.3230, 0.3505, 0.4864)
contains.

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Color

Yxy(30.3230, 0.3505, 0.4864)

Conversions

Conversions Part 1

Format	Color
Hex	79A244
RGB	121, 162, 68
RGB Percent	47%, 64%, 27%
CMY	0.5254, 0.3647, 0.7334
CMYK	0.25, 0.00, 0.58, 0.36
HSL	86°, 41%, 45%
HSV	86°, 58%, 64%
XYZ	21.8508, 30.3230, 10.1679
YIQ	139.0250, 5.7380, -37.9260

Conversions

Conversions Part 2

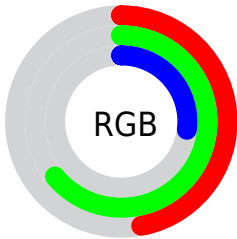
Format	Color
RYB	68, 162, 109
Decimal	7971396
CIELab	61.93, -29.61, 43.63
CIELCh	62, 52.729, 124.168
Yxy	30.3230, 0.3505, 0.4864
Android (android.graphics.Color)	4286161476 (0xFF79A244)
YUV	139.0250, -35.0153, -15.8079
Hunter-Lab	55.0663, -25.5358, 27.5986

Details

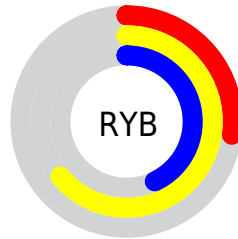
The Yxy color **30.3230, 0.3505, 0.4864** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9.9907, 0.2473, 0.1659**, and the grayscale version is **25.9664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1877, 0.3465, 0.4530**, and **12.4516, 0.3530, 0.5415** is the 20% darker color. If you saturate the color by 10%, you get **29.6614, 0.3529, 0.5114**, and if you desaturate by 10%, it is **31.0793, 0.3462, 0.4590**.

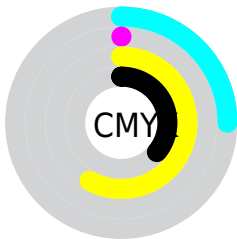
Distribution



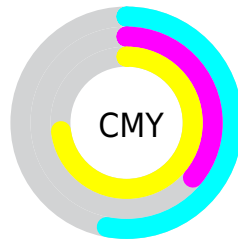
- Red (47%)
- Green (64%)
- Blue (27%)



- Red (27%)
- Yellow (64%)
- Blue (43%)



- Cyan (25%)
- Magenta (0%)
- Yellow (58%)
- Black (36%)





- Cyan (53%)
- Magenta (36%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3230, 0.3505, 0.4864 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 30.3230, 0.3505, 0.4864 by changing the saturation by 10% instead.

 30.3230, 0.3505,
0.4864


 30.3230, 0.3505,
0.4864


303.4071, 0.3347,
0.3991


 20.0839, 0.3523,
0.5104


 60.1726, 0.3460,
0.4528


 12.4560, 0.3527,
0.5419


 80.5519, 0.3439,
0.4408


 7.0551, 0.3493,
0.5845


 105.0800, 0.3420,
0.4308

 3.4966, 0.3429,
0.6571

 134.1414, 0.3402,
0.4224

 1.3961, 0.2761,
0.7239

 168.1204, 0.3386,
0.4152

 0.2139, 0.0000,
1.0000

207.4014, 0.3371,

 0.0000, 0.0000,

0.4091

0.0000

252.3689, 0.3358,
0.4038

■ 30.3230, 0.3505,
0.4864

■ 30.3230, 0.3505,
0.4864

■ 29.6614, 0.3529,
0.5114

■ 31.0793, 0.3462,
0.4590

■ 29.0850, 0.3532,
0.5327

■ 31.9311, 0.3405,
0.4305

■ 28.5890, 0.3511,
0.5492

■ 32.8843, 0.3337,
0.4020

■ 28.1631, 0.3472,
0.5610

■ 33.9430, 0.3264,
0.3745

■ 28.0844, 0.3464,
0.5632

■ 35.1110, 0.3188,
0.3485

■ 36.3919, 0.3112,
0.3244

■ 37.7893, 0.3038,
0.3024

■ 39.3064, 0.2968,
0.2824

■ 40.9464, 0.2901,
0.2643

Harmonies

Analogous

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



30.3230, 0.4244, 0.4622



30.3230, 0.3505, 0.4864



30.3230, 0.2708, 0.4500

Triad

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



30.3230, 0.3505, 0.4864



30.3230, 0.1720, 0.2239



30.3230, 0.4239, 0.2883

Complementary

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



30.3230, 0.3505, 0.4864



9.9907, 0.2473, 0.1659

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.



30.3230, 0.3395, 0.2403



30.3230, 0.3505, 0.4864



30.3230, 0.2000, 0.2034

Square

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



30.3230, 0.3505, 0.4864



30.3230, 0.1737, 0.2774



30.3230, 0.2575, 0.2103



30.3230, 0.4749, 0.3464

Rectangle

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



30.3230, 0.3505, 0.4864



30.3230, 0.2253, 0.3945



30.3230, 0.2575, 0.2103



30.3230, 0.3977, 0.2708

Sweetspot

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



30.3243, 0.3505, 0.4864



61.7649, 0.3259, 0.3726



18.9777, 0.4421, 0.3924



13.7865, 0.3273, 0.3777



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.3243, 0.3505, 0.4864



53.4861, 0.3532, 0.5189



27.7239, 0.3086, 0.5090



8.0829, 0.3198, 0.3516



22.1514, 0.3470, 0.5627



0.4927, 0.3736, 0.5416

Inverse Universe

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



9.9907, 0.2473, 0.1659



12.9409, 0.2282, 0.1309



13.7828, 0.3103, 0.1922



7.0039, 0.3052, 0.3062



3.1237, 0.1924, 0.0833



0.0934, 0.2355, 0.1071

Previews

White Background



This preview shows how the Yxy color 30.3230, 0.3505, 0.4864 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 30.3230, 0.3505, 0.4864 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 30.3230, 0.3505, 0.4864

Background



This preview shows how black text looks on a background with the Yxy color 30.3230, 0.3505, 0.4864.



This preview shows how white text looks on a background with the Yxy color 30.3230, 0.3505, 0.4864.

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

30.3230, 0.3505, 0.4864

Protanopia

29.9720, 0.4116, 0.4503

Deuteranopia

30.0308, 0.4298, 0.4208



Tritanopia

30.2051, 0.2849, 0.3099

Trichromacy



Original Color

30.3230, 0.3505, 0.4864

Protanomaly

29.9769, 0.3888, 0.4645

Deuteranomaly

29.5398, 0.3997, 0.4436

Tritanomaly

30.0290, 0.3106, 0.3745

Monochromacy



Original Color

30.3230, 0.3505, 0.4864

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.9652, 0.3299, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3230, 0.3505, 0.4864 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(121, 162, 68)` looks like.

```
.text, #text, p{  
    color:rgb(121, 162, 68)  
}
```

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(121, 162, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 162, 68) }
```

Border

The CSS property to change the border of an element to Yxy 30.3230, 0.3505, 0.4864 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(121, 162, 68) }
```

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

```
.border{ border-color:rgb(121, 162, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 162, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 162, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 162, 68);  
box-shadow:4px 4px 4px 4px rgb(121, 162,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3230, 0.3505, 0.4864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 162, 68) }
```

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

```
.background{ background-color: rgb(121,  
162, 68) }
```

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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