

Converting Colors

Yxy(31.0643, 0.3442, 0.4520)

Have a look what the booklet for
Yxy(31.0643, 0.3442, 0.4520)
contains.

Yxy(31.2124, 0.3442, 0.4527)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.2124, 0.3442, 0.4527)

Conversions

Conversions Part 1

Format	Color
Hex	81A258
RGB	129, 162, 88
RGB Percent	51%, 64%, 35%
CMY	0.4942, 0.3647, 0.6550
CMYK	0.20, 0.00, 0.46, 0.36
HSL	87°, 30%, 49%
HSV	87°, 46%, 64%
XYZ	23.7316, 31.2124, 14.0032
YIQ	143.6970, 4.0860, -30.0100

Conversions

Conversions Part 2

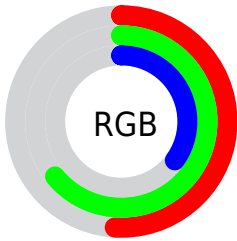
Format	Color
RYB	88, 162, 121
Decimal	8495704
CIELab	62.69, -24.32, 34.71
CIELCh	63, 42.384, 125.014
Yxy	31.2124, 0.3442, 0.4527
Android (android.graphics.Color)	4286685784 (0xFF81A258)
YUV	143.6970, -27.4586, -12.8893
Hunter-Lab	55.8681, -21.9459, 24.2468

Details

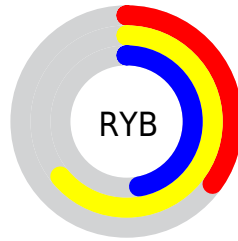
The Yxy color **31.2124, 0.3442, 0.4527** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.6531, 0.2654, 0.2025**, and the grayscale version is **27.8712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5571, 0.3396, 0.4266**, and **12.9248, 0.3494, 0.4962** is the 20% darker color. If you saturate the color by 10%, you get **30.4283, 0.3487, 0.4806**, and if you desaturate by 10%, it is **32.0990, 0.3384, 0.4240**.

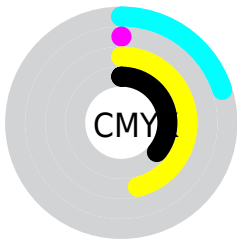
Distribution



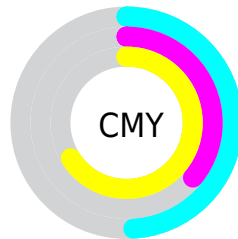
- Red (51%)
- Green (64%)
- Blue (35%)



- Red (35%)
- Yellow (64%)
- Blue (47%)



- Cyan (20%)
- Magenta (0%)
- Yellow (46%)
- Black (36%)





- Cyan (49%)
- Magenta (36%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2124, 0.3442, 0.4527 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 31.2124, 0.3442, 0.4527 by changing the saturation by 10% instead.


 31.2124, 0.3442,
0.4527


 31.2124, 0.3442,
0.4527


307.5157, 0.3299,
0.3843


 20.7606, 0.3468,
0.4718


 61.5743, 0.3396,
0.4263

 12.9491, 0.3491,
0.4974


 82.2533, 0.3377,
0.4169


 7.3935, 0.3500,
0.5329


 107.1101, 0.3359,
0.4091

 3.7094, 0.3536,
0.5969

 136.5291, 0.3344,
0.4025

 1.5124, 0.3289,
0.6711

 170.8948, 0.3331,
0.3969

 0.2974, 0.0000,
1.0000

210.5915, 0.3319,

 0.0000, 0.0000,

0.3922

0.0000

256.0037, 0.3308,
0.3880

■ 31.2124, 0.3442,
0.4527

■ 31.2124, 0.3442,
0.4527

■ 30.4283, 0.3487,
0.4806

■ 32.0990, 0.3384,
0.4240

■ 29.7377, 0.3514,
0.5065

■ 33.0884, 0.3316,
0.3956

■ 29.1367, 0.3520,
0.5290


■ 34.1861, 0.3244,
0.3683

■ 28.6192, 0.3504,
0.5468

■ 35.3959, 0.3169,
0.3427


■ 28.1775, 0.3467,
0.5596


■ 36.7215, 0.3095,
0.3191

 28.0032, 0.3448,
0.5644

 38.1664, 0.3024,
0.2975

 39.7338, 0.2955,
0.2780

 41.4270, 0.2891,
0.2605

 43.2489, 0.2831,
0.2448

Harmonies

Analogous

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



31.2124, 0.4042, 0.4395



31.2124, 0.3442, 0.4527



31.2124, 0.2790, 0.4211

Triad

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



31.2124, 0.3442, 0.4527



31.2124, 0.1966, 0.2434



31.2124, 0.4030, 0.2982

Complementary

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



31.2124, 0.3442, 0.4527



13.6531, 0.2654, 0.2025

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.



31.2124, 0.3371, 0.2570



31.2124, 0.3442, 0.4527



31.2124, 0.2213, 0.2254

Square

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



31.2124, 0.3442, 0.4527



31.2124, 0.1979, 0.2879



31.2124, 0.2704, 0.2311



31.2124, 0.4428, 0.3478

Rectangle

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



31.2124, 0.3442, 0.4527



31.2124, 0.2416, 0.3787



31.2124, 0.2704, 0.2311



31.2124, 0.3827, 0.2832

Sweetspot

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



31.2138, 0.3442, 0.4527



62.3540, 0.3233, 0.3646



21.8352, 0.4072, 0.3802



13.9069, 0.3249, 0.3700



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.



31.2138, 0.3442, 0.4527



55.1852, 0.3488, 0.4816



28.8718, 0.3102, 0.4668



8.0793, 0.3196, 0.3517



22.0844, 0.3454, 0.5639



0.4915, 0.3725, 0.5424

Inverse Universe

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



13.6531, 0.2654, 0.2025



19.1851, 0.2513, 0.1721



16.7621, 0.3114, 0.2181



7.0074, 0.3053, 0.3063



3.1745, 0.1942, 0.0843



0.0946, 0.2372, 0.1080

Previews

White Background



This preview shows how the Yxy color 31.2124, 0.3442, 0.4527 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 31.2124, 0.3442, 0.4527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

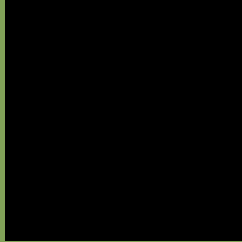
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.2124, 0.3442, 0.4527

Background



This preview shows how black text looks on a background with the Yxy color 31.2124, 0.3442, 0.4527.



This preview shows how white text looks on a background with the Yxy color 31.2124, 0.3442, 0.4527.

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

31.2124, 0.3442, 0.4527

Protanopia

30.8803, 0.3937, 0.4282

Deuteranopia

30.7865, 0.4102, 0.4018



Tritanopia

31.0745, 0.2896, 0.3103

Trichromacy



Original Color

31.2124, 0.3442, 0.4527

Protanomaly

30.8709, 0.3757, 0.4377

Deuteranomaly

30.6751, 0.3840, 0.4198

Tritanomaly

30.8173, 0.3103, 0.3601

Monochromacy



Original Color

31.2124, 0.3442, 0.4527

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.0774, 0.3260, 0.3739

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2124, 0.3442, 0.4527 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(129, 162, 88)` looks like.

```
.text, #text, p{  
    color:rgb(129, 162, 88)  
}
```

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(129, 162, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 162, 88) }
```

Border

The CSS property to change the border of an element to Yxy 31.2124, 0.3442, 0.4527 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(129, 162, 88) }
```

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

```
.border{ border-color:rgb(129, 162, 88) }
```

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

Here you see how a box with a 4 pixel rgb(129, 162, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 162, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 162, 88);  
box-shadow:4px 4px 4px 4px rgb(129, 162,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2124, 0.3442, 0.4527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 162, 88) }
```

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

```
.background{ background-color: rgb(129,  
162, 88) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor