

Converting Colors

$Yxy(31.5869, 0.3437, 0.5197)$

Have a look what the booklet for
Yxy(31.5869, 0.3437, 0.5197)
contains.

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Color

Yxy(31.4413, 0.3441, 0.5200)

Conversions

Conversions Part 1

Format	Color
Hex	6CA834
RGB	108, 168, 52
RGB Percent	42%, 66%, 20%
CMY	0.5765, 0.3412, 0.7962
CMYK	0.36, 0.00, 0.69, 0.34
HSL	91°, 53%, 43%
HSV	91°, 69%, 66%
XYZ	20.8057, 31.4413, 8.2171
YIQ	136.8360, 1.4760, -48.7960

Conversions

Conversions Part 2

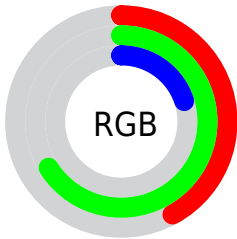
Format	Color
RYB	52, 168, 112
Decimal	7120948
CIELab	62.88, -38.66, 51.48
CIELCh	63, 64.378, 126.904
Yxy	31.4413, 0.3441, 0.5200
Android (android.graphics.Color)	4285311028 (0xFF6CA834)
YUV	136.8360, -41.8241, -25.2892
Hunter-Lab	56.0725, -31.8947, 30.5622

Details

The Yxy color **31.4413, 0.3441, 0.5200** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.7242, 0.2429, 0.1415**, and the grayscale version is **25.1106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1178, 0.3423, 0.4799**, and **13.0184, 0.3343, 0.5727** is the 20% darker color. If you saturate the color by 10%, you get **30.7995, 0.3431, 0.5422**, and if you desaturate by 10%, it is **32.1940, 0.3431, 0.4939**.

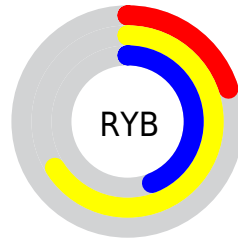
Distribution



Red (42%)

Green (66%)

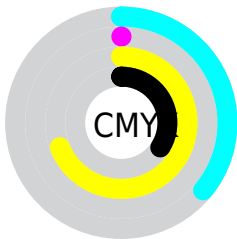
Blue (20%)



Red (20%)

Yellow (66%)

Blue (44%)

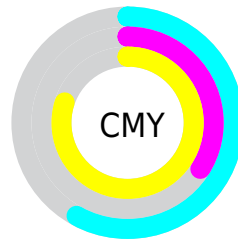


Cyan (36%)

Magenta (0%)

Yellow (69%)

Black (34%)



Cyan (58%)

Magenta (34%)

Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4413, 0.3441, 0.5200 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 31.4413, 0.3441, 0.5200 by changing the saturation by 10% instead.

 31.4413, 0.3441,
0.5200


 31.4413, 0.3441,
0.5200


 308.5663, 0.3342,
0.4142

 20.9351, 0.3430,
0.5484


 61.9342, 0.3427,
0.4796

 13.0766, 0.3387,
0.5850


 82.6897, 0.3415,
0.4650


 7.4813, 0.3304,
0.6385


 107.6304, 0.3401,
0.4528

 3.7649, 0.3021,
0.6979

 137.1408, 0.3388,
0.4426

 1.5429, 0.2105,
0.7895

 171.6051, 0.3376,
0.4339

 0.3187, 0.0000,
1.0000

 211.4079, 0.3364,

 0.0000, 0.0000,

0.4264

0.0000

256.9335, 0.3353,
0.4199

■ 31.4413, 0.3441,
0.5200

■ 31.4413, 0.3441,
0.5200

■ 30.7995, 0.3431,
0.5422

■ 32.1940, 0.3431,
0.4939

■ 30.2568, 0.3399,
0.5592

■ 33.0602, 0.3403,
0.4653

■ 29.8012, 0.3352,
0.5713

■ 34.0473, 0.3360,
0.4356

■ 29.7617, 0.3348,
0.5724

■ 35.1606, 0.3307,
0.4061

■ 36.4054, 0.3247,
0.3778

■ 37.7864, 0.3185,
0.3513

■ 39.3082, 0.3121,
0.3268

■ 40.9749, 0.3059,
0.3046

■ 42.7909, 0.2999,
0.2845

Harmonies

Analogous

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



31.4413, 0.4329, 0.4880



31.4413, 0.3441, 0.5200



31.4413, 0.2521, 0.4710

Triad

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



31.4413, 0.3441, 0.5200



31.4413, 0.1516, 0.2010



31.4413, 0.4544, 0.2852

Complementary

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



31.4413, 0.3441, 0.5200



8.7242, 0.2429, 0.1415

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.



31.4413, 0.3534, 0.2297



31.4413, 0.3441, 0.5200



31.4413, 0.1857, 0.1826

Square

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



31.4413, 0.3441, 0.5200



31.4413, 0.1494, 0.2573



31.4413, 0.2542, 0.1936



31.4413, 0.5091, 0.3509

Rectangle

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



31.4413, 0.3441, 0.5200



31.4413, 0.2016, 0.3977



31.4413, 0.2542, 0.1936



31.4413, 0.4236, 0.2651

Sweetspot

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



31.4427, 0.3441, 0.5200



65.5129, 0.3262, 0.3843



20.1442, 0.4637, 0.4141



14.1476, 0.3277, 0.3916



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.



31.4427, 0.3441, 0.5200



55.3273, 0.3416, 0.5521



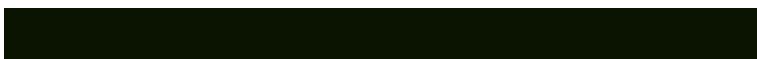
29.0019, 0.3017, 0.5440



8.5788, 0.3186, 0.3518



22.5036, 0.3355, 0.5718



0.5781, 0.3624, 0.5505

Inverse Universe

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



8.7242, 0.2429, 0.1415



11.3297, 0.2237, 0.1106



13.5345, 0.3225, 0.1799



7.4842, 0.3064, 0.3062



3.6916, 0.2074, 0.0916



0.1201, 0.2444, 0.1120

Previews

White Background



This preview shows how the Yxy color 31.4413, 0.3441, 0.5200 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 31.4413, 0.3441, 0.5200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

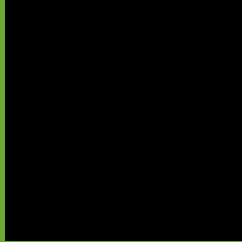
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4413, 0.3441, 0.5200

Background



This preview shows how black text looks on a background with the Yxy color 31.4413, 0.3441, 0.5200.



This preview shows how white text looks on a background with the Yxy color 31.4413, 0.3441, 0.5200.

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

31.4413, 0.3441, 0.5200

Protanopia

31.2159, 0.4237, 0.4667

Deuteranopia

30.9641, 0.4435, 0.4356



Tritanopia

31.3385, 0.2736, 0.3099

Trichromacy



Original Color

31.4413, 0.3441, 0.5200

Protanomaly

30.8785, 0.3923, 0.4882

Deuteranomaly

30.4488, 0.4051, 0.4668

Tritanomaly

30.9180, 0.3035, 0.3890

Monochromacy



Original Color

31.4413, 0.3441, 0.5200

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.6560, 0.3298, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4413, 0.3441, 0.5200 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(108, 168, 52)` looks like.

```
.text, #text, p{  
    color:rgb(108, 168, 52)  
}
```

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(108, 168, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 168, 52) }
```

Border

The CSS property to change the border of an element to Yxy 31.4413, 0.3441, 0.5200 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(108, 168, 52) }
```

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

```
.border{ border-color:rgb(108, 168, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 168, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 168, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 168, 52);  
box-shadow:4px 4px 4px 4px rgb(108, 168,  
52) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 31.4413, 0.3441, 0.5200$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 168, 52) }
```

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

```
.background{ background-color: rgb(108,  
168, 52) }
```

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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