

Converting Colors

$Y_{xy}(18.3087, 0.3292, 0.5073)$

Have a look what the booklet for
Yxy(18.3087, 0.3292, 0.5073)
contains.

Yxy(18.3106, 0.3291, 0.5069)	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(18.3106, 0.3291, 0.5069)

Conversions

Conversions Part 1

Format	Color
Hex	4D8432
RGB	77, 132, 50
RGB Percent	30%, 52%, 20%
CMY	0.6980, 0.4823, 0.8040
CMYK	0.42, 0.00, 0.62, 0.48
HSL	100°, 45%, 36%
HSV	100°, 62%, 52%
XYZ	11.8880, 18.3106, 5.9241
YIQ	106.2070, -6.4580, -37.1620

Conversions

Conversions Part 2

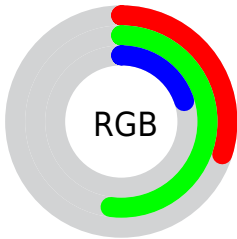
Format	Color
RYB	50, 132, 105
Decimal	5080114
CIELab	49.87, -33.88, 37.78
CIELCh	50, 50.747, 131.877
Yxy	18.3106, 0.3291, 0.5069
Android (android.graphics.Color)	4283270194 (0xFF4D8432)
YUV	106.2070, -27.7101, -25.6145
Hunter-Lab	42.7909, -25.2939, 21.7453

Details

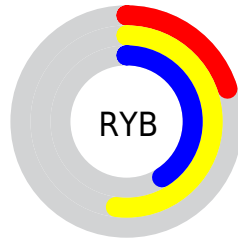
The Yxy color **18.3106, 0.3291, 0.5069** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.9487, 0.2737, 0.1709**, and the grayscale version is **14.5525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7837, 0.3294, 0.4622**, and **6.2167, 0.3177, 0.5859** is the 20% darker color. If you saturate the color by 10%, you get **17.8699, 0.3282, 0.5342**, and if you desaturate by 10%, it is **18.8359, 0.3286, 0.4769**.

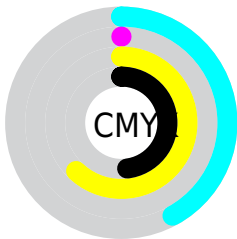
Distribution



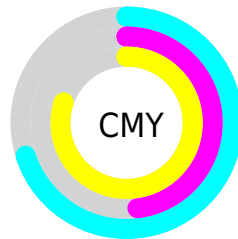
- Red (30%)
- Green (52%)
- Blue (20%)



- Red (20%)
- Yellow (52%)
- Blue (41%)



- Cyan (42%)
- Magenta (0%)
- Yellow (62%)
- Black (48%)





- Cyan (70%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3106, 0.3291, 0.5069 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 18.3106, 0.3291, 0.5069 by changing the saturation by 10% instead.


 18.3106, 0.3291,
0.5069

 18.3106, 0.3291,
0.5069


242.6160, 0.3249,
0.3992


 11.1732, 0.3265,
0.5413


 40.5659, 0.3296,
0.4624


 6.1835, 0.3189,
0.5896

 56.4525, 0.3290,
0.4474


 2.9570, 0.3116,
0.6884

 76.0244, 0.3283,
0.4353

 1.1093, 0.1602,
0.8398

 99.6659, 0.3276,
0.4255

 0.0000, 0.0000,
0.0000

 127.7614, 0.3268,
0.4172

 160.6954, 0.3261,

0.4103

198.8521, 0.3255,
0.4044

■ 18.3106, 0.3291,
0.5069

■ 18.3106, 0.3291,
0.5069

■ 17.8699, 0.3282,
0.5342

■ 18.8359, 0.3286,
0.4769

■ 17.5065, 0.3257,
0.5571

■ 19.4478, 0.3269,
0.4459

■ 17.2155, 0.3218,
0.5743

■ 20.1513, 0.3243,
0.4152

■ 17.0272, 0.3186,
0.5853

■ 20.9501, 0.3210,
0.3860

■ 21.8480, 0.3174,
0.3588

■ 22.8482, 0.3135,
0.3340

■ 23.9541, 0.3097,
0.3116

■ 25.1687, 0.3059,
0.2916

■ 26.4949, 0.3022,
0.2739

Harmonies

Analogous

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



18.3106, 0.4157, 0.4894



18.3106, 0.3291, 0.5069



18.3106, 0.2429, 0.4467

Triad

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



18.3106, 0.3291, 0.5069



18.3106, 0.1618, 0.2021



18.3106, 0.4592, 0.2979

Complementary

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



18.3106, 0.3291, 0.5069



6.9487, 0.2737, 0.1709

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.



18.3106, 0.3684, 0.2421



18.3106, 0.3291, 0.5069



18.3106, 0.2002, 0.1890

Square

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



18.3106, 0.3291, 0.5069



18.3106, 0.1547, 0.2499



18.3106, 0.2715, 0.2037



18.3106, 0.5012, 0.3625

Rectangle

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



18.3106, 0.3291, 0.5069



18.3106, 0.1977, 0.3754



18.3106, 0.2715, 0.2037



18.3106, 0.4325, 0.2779

Sweetspot

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



18.3114, 0.3291, 0.5069



37.3128, 0.3201, 0.3784



15.1709, 0.4265, 0.4282



8.5996, 0.3209, 0.3853



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.3114, 0.3291, 0.5069



31.1694, 0.3272, 0.5453



17.5472, 0.2939, 0.4920



5.2738, 0.3162, 0.3511



16.4888, 0.3187, 0.5852



0.0608, 0.3514, 0.5592

Inverse Universe

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



6.9487, 0.2737, 0.1709



9.2800, 0.2612, 0.1410



8.5021, 0.3435, 0.2094



4.6880, 0.3089, 0.3072



3.6491, 0.2415, 0.1104



0.0166, 0.2795, 0.1313

Previews

White Background



This preview shows how the Yxy color 18.3106, 0.3291, 0.5069 looks on a white background.

Color Contrast Check

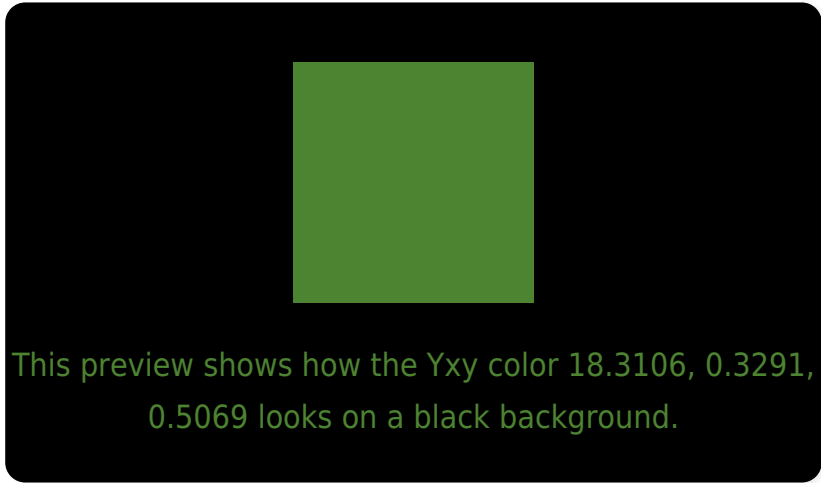
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

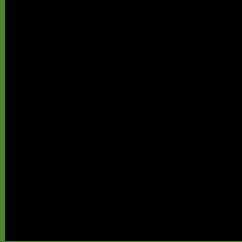
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3106, 0.3291, 0.5069

Background



This preview shows how black text looks on a background with the Yxy color 18.3106, 0.3291, 0.5069.



This preview shows how white text looks on a background with the Yxy color 18.3106, 0.3291, 0.5069.

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

18.3106, 0.3291, 0.5069

Protanopia

18.0597, 0.4148, 0.4543

Deuteranopia

17.9849, 0.4311, 0.4223



Tritanopia

18.3607, 0.2662, 0.3088

Trichromacy



Original Color

18.3106, 0.3291, 0.5069

Protanomaly

17.8159, 0.3811, 0.4755

Deuteranomaly

17.5249, 0.3909, 0.4523

Tritanomaly

18.1364, 0.2914, 0.3809

Monochromacy



Original Color

18.3106, 0.3291, 0.5069

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.3662, 0.3212, 0.3939

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3106, 0.3291, 0.5069 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(77, 132, 50)` looks like.

```
.text, #text, p{  
    color:rgb(77, 132, 50)  
}
```

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(77, 132, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 132, 50) }
```

Border

The CSS property to change the border of an element to Yxy 18.3106, 0.3291, 0.5069 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(77, 132, 50) }
```

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

```
.border{ border-color:rgb(77, 132, 50) }
```

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

Here you see how a box with a 4 pixel rgb(77, 132, 50) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 132, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 132, 50);  
box-shadow:4px 4px 4px 4px rgb(77, 132,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3106, 0.3291, 0.5069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 132, 50) }
```

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

```
.background{ background-color: rgb(77, 132,  
50) }
```

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