

Converting Colors

$Y_{xy}(17.8525, 0.3162, 0.5036)$

Have a look what the booklet for
Yxy(17.8525, 0.3162, 0.5036)
contains.

Yxy(17.9978, 0.3168, 0.5046)	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(17.9978, 0.3168, 0.5046)

Conversions

Conversions Part 1

Format	Color
Hex	448436
RGB	68, 132, 54
RGB Percent	27%, 52%, 21%
CMY	0.7335, 0.4823, 0.7882
CMYK	0.49, 0.00, 0.59, 0.48
HSL	109°, 42%, 36%
HSV	109°, 59%, 52%
XYZ	11.2995, 17.9978, 6.3702
YIQ	103.9720, -13.1060, -37.8260

Conversions

Conversions Part 2

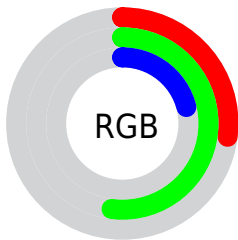
Format	Color
RYB	54, 132, 118
Decimal	4490294
CIELab	49.49, -36.45, 35.28
CIELCh	49, 50.723, 135.933
Yxy	17.9978, 0.3168, 0.5046
Android (android.graphics.Color)	4282680374 (0xFF448436)
YUV	103.9720, -24.6362, -31.5474
Hunter-Lab	42.4238, -26.6988, 20.7939

Details

The Yxy color **17.9978, 0.3168, 0.5046** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.1617, 0.2957, 0.1861**, and the grayscale version is **13.9039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1620, 0.3200, 0.4607**, and **6.0863, 0.3029, 0.5907** is the 20% darker color. If you saturate the color by 10%, you get **17.5367, 0.3153, 0.5346**, and if you desaturate by 10%, it is **18.5661, 0.3174, 0.4722**.

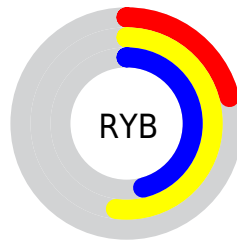
Distribution



Red (27%)

Green (52%)

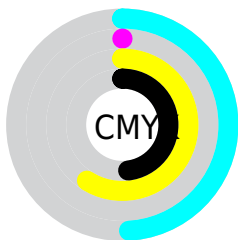
Blue (21%)



Red (21%)

Yellow (52%)

Blue (46%)

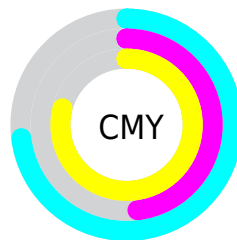


Cyan (49%)

Magenta (0%)

Yellow (59%)

Black (48%)



Cyan (73%)


Magenta (48%)

Yellow (79%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 17.9978, 0.3168, 0.5046 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 17.9978, 0.3168, 0.5046 by changing the saturation by 10% instead.


 17.9978, 0.3168,
0.5046


 17.9978, 0.3168,
0.5046


 240.8586, 0.3193,
0.3973


 10.9484, 0.3124,
0.5397


 40.0336, 0.3198,
0.4598

 6.0322, 0.3027,
0.5902

 55.7888, 0.3202,
0.4449


 2.8646, 0.2959,
0.7041

 75.2146, 0.3202,
0.4329

 1.0615, 0.0933,
0.9067

 98.6956, 0.3202,
0.4232

 0.0000, 0.0000,
0.0000

 126.6161, 0.3200,
0.4150

 159.3606, 0.3198,

0.4082

197.3133, 0.3196,
0.4024

■ 17.9978, 0.3168,
0.5046

■ 17.9978, 0.3168,
0.5046

■ 17.5367, 0.3153,
0.5346

■ 18.5661, 0.3174,
0.4722

■ 17.1739, 0.3131,
0.5602

■ 19.2456, 0.3173,
0.4394

■ 16.9024, 0.3101,
0.5796

■ 20.0427, 0.3166,
0.4077

■ 16.7087, 0.3071,
0.5933

■ 20.9627, 0.3155,
0.3781

■ 16.6938, 0.3070,
0.5945

■ 22.0105, 0.3141,
0.3511

■ 23.1908, 0.3126,
0.3269

■ 24.5081, 0.3109,
0.3054

■ 25.9665, 0.3093,
0.2866

■ 27.5702, 0.3076,
0.2701

Harmonies

Analogous

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



17.9978, 0.4050, 0.4960



17.9978, 0.3168, 0.5046



17.9978, 0.2322, 0.4339

Triad

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



17.9978, 0.3168, 0.5046



17.9978, 0.1645, 0.1979



17.9978, 0.4693, 0.3061

Complementary

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



17.9978, 0.3168, 0.5046



8.1617, 0.2957, 0.1861

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.



17.9978, 0.3824, 0.2485



17.9978, 0.3168, 0.5046



17.9978, 0.2074, 0.1889

Square

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



17.9978, 0.3168, 0.5046



17.9978, 0.1532, 0.2406



17.9978, 0.2833, 0.2071



17.9978, 0.5028, 0.3716

Rectangle

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



17.9978, 0.3168, 0.5046



17.9978, 0.1898, 0.3605



17.9978, 0.2833, 0.2071



17.9978, 0.4446, 0.2857

Sweetspot

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



17.9986, 0.3168, 0.5046



37.0396, 0.3154, 0.3762



18.0609, 0.4076, 0.4428



8.5217, 0.3158, 0.3835



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.



17.9986, 0.3168, 0.5046



30.6443, 0.3146, 0.5442



17.8495, 0.2849, 0.4551



5.2419, 0.3141, 0.3512



16.1638, 0.3070, 0.5944



0.0583, 0.3300, 0.5762

Inverse Universe

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



8.1617, 0.2957, 0.1861



11.5814, 0.2898, 0.1607



8.6141, 0.3644, 0.2324



4.7219, 0.3111, 0.3074



4.7259, 0.2773, 0.1301



0.0191, 0.2997, 0.1425

Previews

White Background



This preview shows how the Yxy color 17.9978, 0.3168, 0.5046 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



This preview shows how the Yxy color 17.9978, 0.3168, 0.5046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

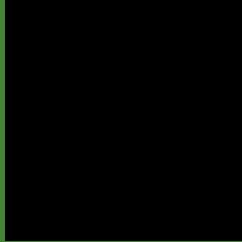
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9978, 0.3168, 0.5046

Background



This preview shows how black text looks on a background with the Yxy color 17.9978, 0.3168, 0.5046.



This preview shows how white text looks on a background with the Yxy color 17.9978, 0.3168, 0.5046.

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

17.9978, 0.3168, 0.5046

Protanopia

17.6987, 0.4095, 0.4489

Deuteranopia

17.8439, 0.4240, 0.4177



Tritanopia

17.9755, 0.2587, 0.3084

Trichromacy



Original Color

17.9978, 0.3168, 0.5046

Protanomaly

17.2839, 0.3716, 0.4715

Deuteranomaly

17.2121, 0.3799, 0.4490

Tritanomaly

17.8184, 0.2814, 0.3775

Monochromacy



Original Color

17.9978, 0.3168, 0.5046

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

14.9307, 0.3161, 0.3930

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9978, 0.3168, 0.5046 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(68, 132, 54)` looks like.

```
.text, #text, p{  
    color:rgb(68, 132, 54)  
}
```

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(68, 132, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 132, 54) }
```

Border

The CSS property to change the border of an element to Yxy 17.9978, 0.3168, 0.5046 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(68, 132, 54) }
```

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

```
.border{ border-color:rgb(68, 132, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 132, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 132, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 132, 54);  
box-shadow:4px 4px 4px 4px rgb(68, 132,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9978, 0.3168, 0.5046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 132, 54) }
```

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

```
.background{ background-color: rgb(68, 132,  
54) }
```

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