

Converting Colors

$Y_{xy}(29.3737, 0.3607, 0.5066)$

Have a look what the booklet for
Yxy(29.3737, 0.3607, 0.5066)
contains.

Yxy(29.3737, 0.3607, 0.5066)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3737, 0.3607, 0.5066)

Conversions

Conversions Part 1

Format	Color
Hex	78A033
RGB	120, 160, 51
RGB Percent	47%, 63%, 20%
CMY	0.5294, 0.3725, 0.8002
CMYK	0.25, 0.00, 0.68, 0.37
HSL	82°, 52%, 41%
HSV	82°, 68%, 63%
XYZ	20.9141, 29.3737, 7.6942
YIQ	135.6140, 11.1490, -42.3790

Conversions

Conversions Part 2

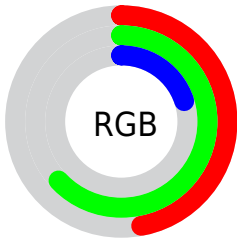
Format	Color
RYB	51, 160, 91
Decimal	7905331
CIELab	61.11, -30.51, 50.26
CIElCh	61, 58.799, 121.260
Yxy	29.3737, 0.3607, 0.5066
Android (android.graphics.Color)	4286095411 (0xFF78A033)
YUV	135.6140, -41.7147, -13.6935
Hunter-Lab	54.1975, -25.9648, 29.5211

Details

The Yxy color **29.3737, 0.3607, 0.5066** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7.1241, 0.2235, 0.1345**, and the grayscale version is **24.6240, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6941, 0.3556, 0.4698**, and **11.9184, 0.3572, 0.5546** is the 20% darker color. If you saturate the color by 10%, you get **28.8506, 0.3619, 0.5265**, and if you desaturate by 10%, it is **29.9737, 0.3572, 0.4829**.

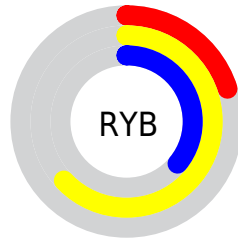
Distribution



Red (47%)

Green (63%)

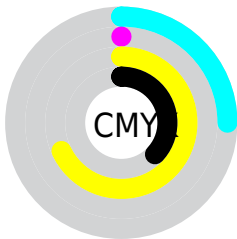
Blue (20%)



Red (20%)

Yellow (63%)

Blue (36%)

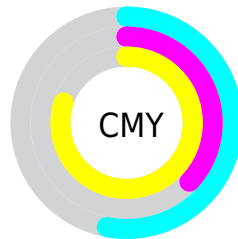


Cyan (25%)

Magenta (0%)

Yellow (68%)

Black (37%)



Cyan (53%)


Magenta (37%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3737, 0.3607, 0.5066 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 29.3737, 0.3607, 0.5066 by changing the saturation by 10% instead.

 29.3737, 0.3607,
0.5066

 29.3737, 0.3607,
0.5066


298.9741, 0.3411,
0.4086


 19.3637, 0.3624,
0.5327


 58.6703, 0.3555,
0.4694

 11.9334, 0.3617,
0.5660


 78.7257, 0.3529,
0.4558


 6.6983, 0.3603,
0.6179


 102.8983, 0.3504,
0.4445

 3.2742, 0.3350,
0.6650

 131.5726, 0.3482,
0.4350

 1.2765, 0.2494,
0.7506

 165.1329, 0.3461,
0.4269

 0.1229, 0.0000,
1.0000

 203.9637, 0.3443,

 0.0000, 0.0000,

0.4200

0.0000

248.4493, 0.3426,
0.4139

■ 29.3737, 0.3607,
0.5066

■ 29.3737, 0.3607,
0.5066

■ 28.8506, 0.3619,
0.5265

■ 29.9737, 0.3572,
0.4829

■ 28.3947, 0.3608,
0.5419

■ 30.6516, 0.3518,
0.4568

■ 27.9975, 0.3576,
0.5528

■ 31.4132, 0.3449,
0.4293

■ 27.9278, 0.3570,
0.5547

■ 32.2624, 0.3370,
0.4015

■ 33.2030, 0.3285,
0.3745

■ 34.2384, 0.3198,
0.3488

■ 35.3719, 0.3111,
0.3247

■ 36.6066, 0.3027,
0.3025

■ 37.9455, 0.2947,
0.2823

Harmonies

Analogous

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



29.3737, 0.4414, 0.4698



29.3737, 0.3607, 0.5066



29.3737, 0.2724, 0.4751

Triad

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



29.3737, 0.3607, 0.5066



29.3737, 0.1570, 0.2156



29.3737, 0.4296, 0.2773

Complementary

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



29.3737, 0.3607, 0.5066



7.1241, 0.2235, 0.1345

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.



29.3737, 0.3324, 0.2269



29.3737, 0.3607, 0.5066



29.3737, 0.1840, 0.1913

Square

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



29.3737, 0.3607, 0.5066



29.3737, 0.1612, 0.2774



29.3737, 0.2432, 0.1966



29.3737, 0.4919, 0.3392

Rectangle

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



29.3737, 0.3607, 0.5066



29.3737, 0.2209, 0.4136



29.3737, 0.2432, 0.1966



29.3737, 0.3988, 0.2587

Sweetspot

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



29.3750, 0.3607, 0.5066



59.8882, 0.3304, 0.3804



15.1848, 0.4818, 0.3885



13.0344, 0.3327, 0.3875



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.3750, 0.3607, 0.5066



51.9180, 0.3616, 0.5355



26.5223, 0.3117, 0.5375



7.5987, 0.3207, 0.3515



21.7799, 0.3576, 0.5543



0.4127, 0.3833, 0.5338

Inverse Universe

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



7.1241, 0.2235, 0.1345



8.7111, 0.2005, 0.0997



10.9642, 0.2985, 0.1697



6.5478, 0.3042, 0.3063



2.7172, 0.1813, 0.0772



0.0716, 0.2270, 0.1024

Previews

White Background



This preview shows how the Yxy color 29.3737, 0.3607, 0.5066 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3737, 0.3607, 0.5066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

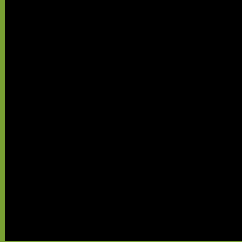
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3737, 0.3607, 0.5066

Background



This preview shows how black text looks on a background with the Yxy color 29.3737, 0.3607, 0.5066.



This preview shows how white text looks on a background with the Yxy color 29.3737, 0.3607, 0.5066.

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

29.3737, 0.3607, 0.5066

Protanopia

29.0802, 0.4232, 0.4647

Deuteranopia

29.1289, 0.4438, 0.4357



Tritanopia

29.3724, 0.2863, 0.3113

Trichromacy



Original Color

29.3737, 0.3607, 0.5066

Protanomaly

29.0678, 0.3997, 0.4806

Deuteranomaly

28.6169, 0.4131, 0.4614

Tritanomaly

29.0809, 0.3170, 0.3855

Monochromacy



Original Color

29.3737, 0.3607, 0.5066

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

26.0165, 0.3360, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3737, 0.3607, 0.5066 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(120, 160, 51)` looks like.

```
.text, #text, p{  
    color:rgb(120, 160, 51)  
}
```

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(120, 160, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 160, 51) }
```

Border

The CSS property to change the border of an element to Yxy 29.3737, 0.3607, 0.5066 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(120, 160, 51) }
```

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

```
.border{ border-color:rgb(120, 160, 51) }
```

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

Here you see how a box with a 4 pixel rgb(120, 160, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 160, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 160, 51);  
box-shadow:4px 4px 4px 4px rgb(120, 160,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3737, 0.3607, 0.5066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 160, 51) }
```

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

```
.background{ background-color: rgb(120,  
160, 51) }
```

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