

Converting Colors

$Y_{xy}(42.7637, 0.3587, 0.5260)$

Have a look what the booklet for
Yxy(42.7637, 0.3587, 0.5260)
contains.

Yxy(42.6177, 0.3591, 0.5253)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.6177, 0.3591, 0.5253)

Conversions

Conversions Part 1

Format	Color
Hex	87BF2F
RGB	135, 191, 47
RGB Percent	53%, 75%, 18%
CMY	0.4706, 0.2510, 0.8157
CMYK	0.29, 0.00, 0.75, 0.25
HSL	83°, 61%, 47%
HSV	83°, 75%, 75%
XYZ	29.1339, 42.6177, 9.3787
YIQ	157.8400, 12.8480, -56.6560

Conversions

Conversions Part 2

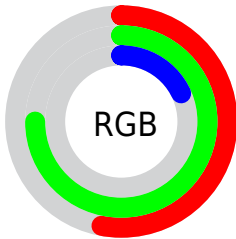
Format	Color
RYB	47, 191, 103
Decimal	8896303
CIELab	71.29, -39.15, 62.18
CIELCh	71, 73.478, 122.192
Yxy	42.6177, 0.3591, 0.5253
Android (android.graphics.Color)	4287086383 (0xFF87BF2F)
YUV	157.8400, -54.6441, -20.0307
Hunter-Lab	65.2822, -34.5837, 37.1798

Details

The Yxy color **42.6177, 0.3591, 0.5253** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **8.6789, 0.2141, 0.1160**, and the grayscale version is **34.3632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.3407, 0.3557, 0.4882**, and **19.5536, 0.3491, 0.5610** is the 20% darker color. If you saturate the color by 10%, you get **41.9028, 0.3580, 0.5421**, and if you desaturate by 10%, it is **43.4468, 0.3577, 0.5039**.

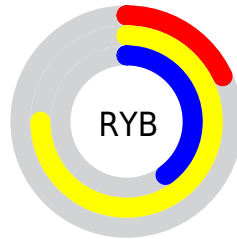
Distribution



Red (53%)

Green (75%)

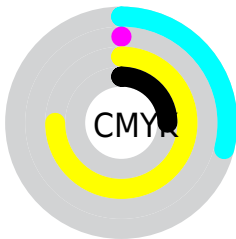
Blue (18%)



Red (18%)

Yellow (75%)

Blue (40%)

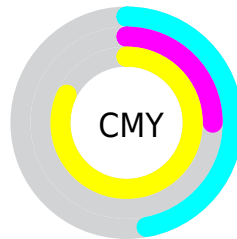


Cyan (29%)

Magenta (0%)

Yellow (75%)

Black (25%)



Cyan (47%)


Magenta (25%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6177, 0.3591, 0.5253 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 42.6177, 0.3591, 0.5253 by changing the saturation by 10% instead.


 42.6177, 0.3591,
0.5253


 42.6177, 0.3591,
0.5253


357.0372, 0.3437,
0.4233


 29.5853, 0.3592,
0.5499


 79.1336, 0.3560,
0.4884

 19.5240, 0.3569,
0.5800


 103.3859, 0.3541,
0.4744


 12.0495, 0.3499,
0.6178


 132.1470, 0.3521,
0.4625

 6.7774, 0.3339,
0.6661

 165.8012, 0.3502,
0.4524

 3.3233, 0.2915,
0.7085

 204.7329, 0.3484,
0.4436

 1.3028, 0.1516,
0.8484

 249.3265, 0.3467,

 0.1433, 0.0000,

0.4360

1.0000

299.9665, 0.3451,
0.4293

■ 0.0000, 0.0000,
0.0000

■ 42.6177, 0.3591,
0.5253

■ 42.6177, 0.3591,
0.5253

■ 41.9028, 0.3580,
0.5421

■ 43.4468, 0.3577,
0.5039

■ 41.2860, 0.3547,
0.5537

■ 44.3931, 0.3542,
0.4789

■ 41.0262, 0.3527,
0.5581

■ 45.4661, 0.3487,
0.4516

■ 46.6726, 0.3418,
0.4233

■ 48.0187, 0.3340,
0.3951

■ 49.5104, 0.3257,
0.3679

■ 51.1529, 0.3173,
0.3421

■ 52.9513, 0.3089,
0.3183

■ 54.9105, 0.3008,
0.2964

Harmonies

Analogous

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



42.6177, 0.4477, 0.4818



42.6177, 0.3591, 0.5253



42.6177, 0.2638, 0.4903

Triad

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



42.6177, 0.3591, 0.5253



42.6177, 0.1454, 0.2037



42.6177, 0.4443, 0.2739

Complementary

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



42.6177, 0.3591, 0.5253



8.6789, 0.2141, 0.1160

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.



42.6177, 0.3371, 0.2199



42.6177, 0.3591, 0.5253



42.6177, 0.1749, 0.1799

Square

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



42.6177, 0.3591, 0.5253



42.6177, 0.1482, 0.2680



42.6177, 0.2390, 0.1869



42.6177, 0.5107, 0.3396

Rectangle

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



42.6177, 0.3591, 0.5253



42.6177, 0.2091, 0.4193



42.6177, 0.2390, 0.1869



42.6177, 0.4105, 0.2541

Sweetspot

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



42.6196, 0.3591, 0.5253



86.5166, 0.3324, 0.3895



20.8244, 0.5061, 0.3937



18.7938, 0.3353, 0.3997



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.6196, 0.3591, 0.5253



74.3564, 0.3563, 0.5497



38.5529, 0.3088, 0.5603



10.9302, 0.3206, 0.3521



27.0073, 0.3536, 0.5574



1.0946, 0.3695, 0.5448

Inverse Universe

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



8.6789, 0.2141, 0.1160



10.8220, 0.1922, 0.0875



14.8167, 0.2989, 0.1586



9.4015, 0.3043, 0.3057



3.4801, 0.1838, 0.0786



0.1743, 0.2123, 0.0943

Previews

White Background



This preview shows how the Yxy color 42.6177, 0.3591, 0.5253 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 42.6177, 0.3591, 0.5253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

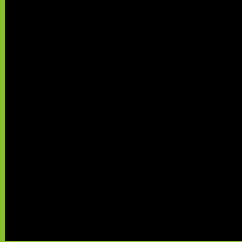
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.6177, 0.3591, 0.5253

Background



This preview shows how black text looks on a background with the Yxy color 42.6177, 0.3591, 0.5253.



This preview shows how white text looks on a background with the Yxy color 42.6177, 0.3591, 0.5253.

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

42.6177, 0.3591, 0.5253

Protanopia

42.0486, 0.4302, 0.4750

Deuteranopia

41.9675, 0.4526, 0.4434



Tritanopia

42.4189, 0.2815, 0.3096

Trichromacy



Original Color

42.6177, 0.3591, 0.5253

Protanomaly

41.7086, 0.4032, 0.4944

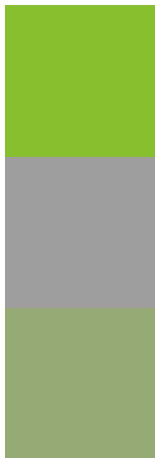
Deuteranomaly

41.1032, 0.4176, 0.4729

Tritanomaly

41.8420, 0.3155, 0.3946

Monochromacy



Original Color

42.6177, 0.3591, 0.5253

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.5415, 0.3382, 0.4089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6177, 0.3591, 0.5253 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(135, 191, 47)` looks like.

```
.text, #text, p{  
    color:rgb(135, 191, 47)  
}
```

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(135, 191, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 191, 47) }
```

Border

The CSS property to change the border of an element to Yxy 42.6177, 0.3591, 0.5253 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(135, 191, 47) }
```

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

```
.border{ border-color:rgb(135, 191, 47) }
```

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

Here you see how a box with a 4 pixel rgb(135, 191, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 191, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 191, 47);  
box-shadow:4px 4px 4px 4px rgb(135, 191,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6177, 0.3591, 0.5253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 191, 47) }
```

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

```
.background{ background-color: rgb(135,  
191, 47) }
```

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