

Converting Colors

Yxy(41.7647, 0.3006, 0.5874)

Have a look what the booklet for
Yxy(41.7647, 0.3006, 0.5874)
contains.

Yxy(41.6207, 0.3006, 0.5873)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.6207, 0.3006, 0.5873)

Conversions

Conversions Part 1

Format	Color
Hex	1BC81B
RGB	27, 200, 27
RGB Percent	11%, 78%, 11%
CMY	0.8943, 0.2157, 0.8943
CMYK	0.87, 0.00, 0.87, 0.22
HSL	120°, 76%, 45%
HSV	120°, 87%, 78%
XYZ	21.3029, 41.6207, 7.9443
YIQ	128.5510, -47.5750, -90.4790

Conversions

Conversions Part 2

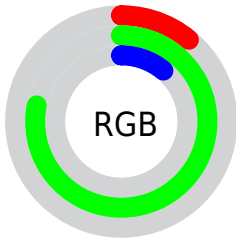
Format	Color
R _Y B	27, 200, 200
Decimal	1820699
CIE Lab	70.61, -69.60, 65.75
CIE LCh	71, 95.744, 136.626
Yxy	41.6207, 0.3006, 0.5873
Android (android.graphics.Color)	4280010779 (0xFF1BC81B)
YUV	128.5510, -50.0646, -89.0602
Hunter-Lab	64.5141, -53.9581, 37.8589

Details

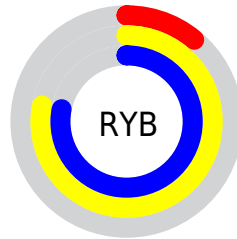
The Yxy color **41.6207, 0.3006, 0.5873** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **17.2307, 0.3207, 0.1595**, and the grayscale version is **21.9738, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5903, 0.3108, 0.5330**, and **19.9465, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **41.3712, 0.3001, 0.5975**, and if you desaturate by 10%, it is **42.1193, 0.3015, 0.5685**.

Distribution



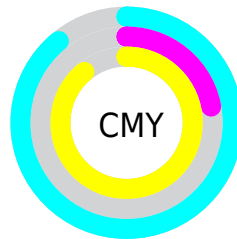
- Red (11%)
- Green (78%)
- Blue (11%)



- Red (11%)
- Yellow (78%)
- Blue (78%)



- Cyan (87%)
- Magenta (0%)
- Yellow (87%)
- Black (22%)




- Cyan (89%)
- Magenta (22%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6207, 0.3006, 0.5873 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 41.6207, 0.3006, 0.5873 by changing the saturation by 10% instead.


 41.6207, 0.3006,
0.5873

 41.6207, 0.3006,
0.5873


352.9082, 0.3186,
0.4469

 28.8044, 0.2911,
0.6230


 77.6252, 0.3107,
0.5350

 18.9329, 0.2758,
0.6674


 101.5823, 0.3134,
0.5156


 11.6218, 0.2528,
0.7285


 130.0217, 0.3152,
0.4993

 6.4867, 0.2097,
0.7903

 163.3279, 0.3164,
0.4855

 3.1432, 0.1300,
0.8700

 201.8852, 0.3173,
0.4738

 1.2070, 0.0000,
1.0000

 246.0781, 0.3179,

 0.0674, 0.0000,

0.4636

1.0000

296.2910, 0.3183,
0.4547

■ 0.0000, 0.0000,
0.0000

■ 41.6207, 0.3006,
0.5873

■ 41.6207, 0.3006,
0.5873

■ 41.3712, 0.3001,
0.5975

■ 42.1193, 0.3015,
0.5685

■ 41.3111, 0.3000,
0.6000

■ 42.9077, 0.3027,
0.5417

■ 44.0228, 0.3043,
0.5093

■ 45.4950, 0.3059,
0.4739

■ 47.3512, 0.3076,
0.4383

■ 49.6156, 0.3092,
0.4043

■ 52.3105, 0.3106,
0.3731

■ 55.4567, 0.3120,
0.3453

■ 59.0733, 0.3131,
0.3209

Harmonies

Analogous

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



41.6207, 0.4158, 0.5499



41.6207, 0.3006, 0.5873



41.6207, 0.1937, 0.4821

Triad

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



41.6207, 0.3006, 0.5873



41.6207, 0.1226, 0.1550



41.6207, 0.5357, 0.2915

Complementary

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



41.6207, 0.3006, 0.5873



17.2307, 0.3207, 0.1595

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.



41.6207, 0.4118, 0.2221



41.6207, 0.3006, 0.5873



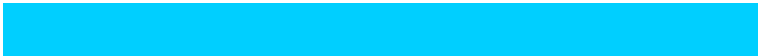
41.6207, 0.1740, 0.1480

Square

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



41.6207, 0.3006, 0.5873



41.6207, 0.1071, 0.2015



41.6207, 0.2718, 0.1712



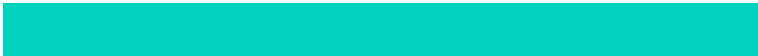
41.6207, 0.5702, 0.3687

Rectangle

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



41.6207, 0.3006, 0.5873



41.6207, 0.1435, 0.3647



41.6207, 0.2718, 0.1712



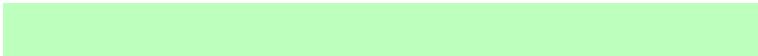
41.6207, 0.5017, 0.2672

Sweetspot

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



41.6224, 0.3006, 0.5873



85.9621, 0.3092, 0.4038



52.3465, 0.4185, 0.4977



18.0860, 0.3087, 0.4155



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



41.6224, 0.3006, 0.5873



71.5201, 0.3000, 0.6000



42.6822, 0.2706, 0.4821



11.8879, 0.3116, 0.3529



26.2655, 0.3000, 0.6000



1.2437, 0.3000, 0.6000

Inverse Universe

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



17.2307, 0.3207, 0.1595



28.4770, 0.3209, 0.1541



14.3313, 0.4589, 0.2402



10.8166, 0.3138, 0.3062



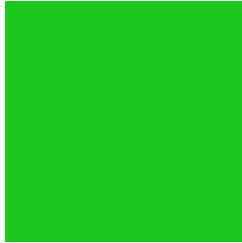
10.4581, 0.3209, 0.1541



0.4952, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 41.6207, 0.3006, 0.5873 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 41.6207, 0.3006, 0.5873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

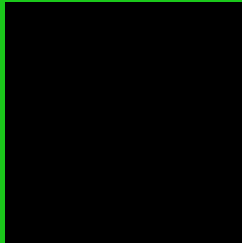
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.6207, 0.3006, 0.5873

Background



This preview shows how black text looks on a background with the Yxy color 41.6207, 0.3006, 0.5873.



This preview shows how white text looks on a background with the Yxy color 41.6207, 0.3006, 0.5873.

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

41.6207, 0.3006, 0.5873

Protanopia

40.8862, 0.4374, 0.4852

Deuteranopia

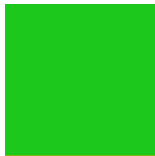
40.5180, 0.4578, 0.4468



Tritanopia

41.3611, 0.2374, 0.3065

Trichromacy



Original Color

41.6207, 0.3006, 0.5873



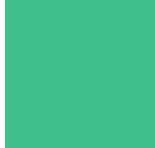
Protanomaly

38.4966, 0.3697, 0.5364



Deuteranomaly

37.4209, 0.3815, 0.5103



Tritanomaly

40.2204, 0.2643, 0.4186

Monochromacy



Original Color

41.6207, 0.3006, 0.5873



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

26.4907, 0.3070, 0.4502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6207, 0.3006, 0.5873 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(27, 200, 27)` looks like.

```
.text, #text, p{  
    color:rgb(27, 200, 27)  
}
```

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(27, 200, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 200, 27) }
```

Border

The CSS property to change the border of an element to Yxy 41.6207, 0.3006, 0.5873 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(27, 200, 27) }
```

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

```
.border{ border-color:rgb(27, 200, 27) }
```

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

Here you see how a box with a 4 pixel rgb(27, 200, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 200, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 200, 27);  
box-shadow:4px 4px 4px 4px rgb(27, 200,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6207, 0.3006, 0.5873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 200, 27) }
```

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

```
.background{ background-color: rgb(27, 200,  
27) }
```

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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