

Converting Colors

$Y_{xy}(47.9779, 0.3270, 0.5737)$

Have a look what the booklet for
Yxy(47.9779, 0.3270, 0.5737)
contains.

Yxy(47.9137, 0.3270, 0.5737)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.9137, 0.3270, 0.5737)

Conversions

Conversions Part 1

Format	Color
Hex	5CD110
RGB	92, 209, 16
RGB Percent	36%, 82%, 6%
CMY	0.6390, 0.1804, 0.9378
CMYK	0.56, 0.00, 0.92, 0.18
HSL	96°, 86%, 44%
HSV	96°, 92%, 82%
XYZ	27.3101, 47.9137, 8.2932
YIQ	152.0150, -7.7790, -84.8270

Conversions

Conversions Part 2

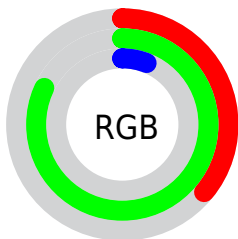
Format	Color
RYB	16, 209, 133
Decimal	6082832
CIELab	74.77, -61.31, 71.72
CIELCh	75, 94.359, 130.527
Yxy	47.9137, 0.3270, 0.5737
Android (android.graphics.Color)	4284272912 (0xFF5CD110)
YUV	152.0150, -67.0554, -52.6332
Hunter-Lab	69.2197, -50.7088, 41.3503

Details

The Yxy color **47.9137, 0.3270, 0.5737** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **9.9425, 0.2309, 0.1076**, and the grayscale version is **31.7034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.0946, 0.3351, 0.5212**, and **22.7825, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **47.4145, 0.3229, 0.5818**, and if you desaturate by 10%, it is **48.7184, 0.3315, 0.5584**.

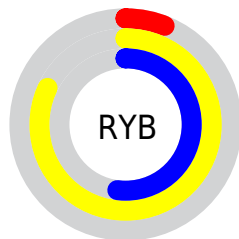
Distribution



Red (36%)

Green (82%)

Blue (6%)



Red (6%)

Yellow (82%)

Blue (52%)

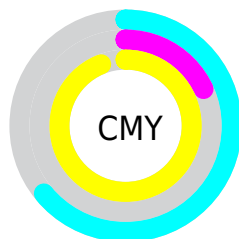


Cyan (56%)

Magenta (0%)

Yellow (92%)

Black (18%)



Cyan (64%)


Magenta (18%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9137, 0.3270, 0.5737 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 47.9137, 0.3270, 0.5737 by changing the saturation by 10% instead.


 47.9137, 0.3270,
0.5737


 47.9137, 0.3270,
0.5737


378.4500, 0.3318,
0.4464


 33.7585, 0.3210,
0.6040


 87.0759, 0.3322,
0.5279

 22.7082, 0.3106,
0.6406


 112.8517, 0.3331,
0.5104


 14.3782, 0.2938,
0.6879


 143.2699, 0.3334,
0.4955

 8.3842, 0.2617,
0.7383

 178.7149, 0.3334,
0.4828

 4.3417, 0.2078,
0.7922

 219.5709, 0.3331,
0.4718

 1.8665, 0.0298,
0.9702

 266.2225, 0.3328,

 0.5281, 0.0000,

0.4623

1.0000

319.0541, 0.3323,
0.4538

■ 0.0000, 0.0000,
0.0000

■ 47.9137, 0.3270,
0.5737

■ 47.9137, 0.3270,
0.5737

■ 47.4145, 0.3229,
0.5818

■ 48.7184, 0.3315,
0.5584

■ 49.7100, 0.3342,
0.5370

■ 50.9063, 0.3351,
0.5106

■ 52.3213, 0.3341,
0.4810

■ 53.9672, 0.3317,
0.4498

■ 55.8553, 0.3281,
0.4187

■ 57.9961, 0.3238,
0.3887

■ 60.3994, 0.3189,
0.3606

■ 63.0744, 0.3139,
0.3348

Harmonies

Analogous

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



47.9137, 0.4361, 0.5253



47.9137, 0.3270, 0.5737



47.9137, 0.2199, 0.5016

Triad

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



47.9137, 0.3270, 0.5737



47.9137, 0.1244, 0.1683



47.9137, 0.5045, 0.2804

Complementary

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



47.9137, 0.3270, 0.5737



9.9425, 0.2309, 0.1076

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.



47.9137, 0.3785, 0.2154



47.9137, 0.3270, 0.5737



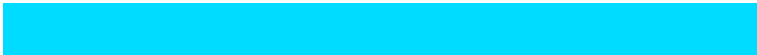
47.9137, 0.1669, 0.1543

Square

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



47.9137, 0.3270, 0.5737



47.9137, 0.1163, 0.2246



47.9137, 0.2516, 0.1710



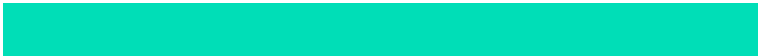
47.9137, 0.5585, 0.3546

Rectangle

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



47.9137, 0.3270, 0.5737



47.9137, 0.1647, 0.3965



47.9137, 0.2516, 0.1710



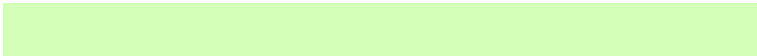
47.9137, 0.4674, 0.2572

Sweetspot

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



47.9157, 0.3270, 0.5737



88.9256, 0.3264, 0.4062



30.0266, 0.5009, 0.4346



18.7317, 0.3282, 0.4195



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.



47.9157, 0.3270, 0.5737



74.2624, 0.3222, 0.5824



45.8326, 0.2975, 0.5848



13.4304, 0.3174, 0.3526



29.2877, 0.3240, 0.5810



1.6831, 0.3387, 0.5693

Inverse Universe

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



9.9425, 0.2309, 0.1076



14.1315, 0.2227, 0.1000



17.6261, 0.3456, 0.1704



11.7667, 0.3076, 0.3056



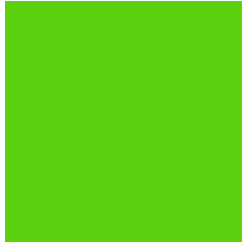
5.6584, 0.2250, 0.1013



0.3617, 0.2425, 0.1109

Previews

White Background



This preview shows how the Yxy color 47.9137, 0.3270, 0.5737 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 47.9137, 0.3270, 0.5737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

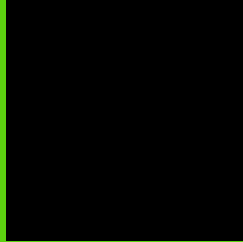
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.9137, 0.3270, 0.5737

Background



This preview shows how black text looks on a background with the Yxy color 47.9137, 0.3270, 0.5737.



This preview shows how white text looks on a background with the Yxy color 47.9137, 0.3270, 0.5737.

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

47.9137, 0.3270, 0.5737

Protanopia

46.9888, 0.4406, 0.4884

Deuteranopia

46.9074, 0.4618, 0.4507



Tritanopia

47.4477, 0.2528, 0.3069

Trichromacy



Original Color

47.9137, 0.3270, 0.5737



Protanomaly

45.7118, 0.3941, 0.5237



Deuteranomaly

44.9425, 0.4078, 0.4996



Tritanomaly

46.1557, 0.2899, 0.4212

Monochromacy



Original Color

47.9137, 0.3270, 0.5737



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

35.5923, 0.3311, 0.4439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9137, 0.3270, 0.5737 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(92, 209, 16)` looks like.

```
.text, #text, p{  
    color:rgb(92, 209, 16)  
}
```

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(92, 209, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 209, 16) }
```

Border

The CSS property to change the border of an element to Yxy 47.9137, 0.3270, 0.5737 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(92, 209, 16) }
```

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

```
.border{ border-color:rgb(92, 209, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 209, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 209, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 209, 16);  
box-shadow:4px 4px 4px 4px rgb(92, 209,  
16) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9137, 0.3270, 0.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 209, 16) }
```

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

```
.background{ background-color: rgb(92, 209,  
16) }
```

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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