

Converting Colors

$Yxy(42.7270, 0.3076, 0.5107)$

Have a look what the booklet for
Yxy(42.7270, 0.3076, 0.5107)
contains.

Yxy(42.7463, 0.3076, 0.5100)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.7463, 0.3076, 0.5100)

Conversions

Conversions Part 1

Format	Color
Hex	5AC554
RGB	90, 197, 84
RGB Percent	35%, 77%, 33%
CMY	0.6472, 0.2274, 0.6704
CMYK	0.54, 0.00, 0.57, 0.23
HSL	117°, 49%, 55%
HSV	117°, 57%, 77%
XYZ	25.7819, 42.7463, 15.2881
YIQ	152.1250, -27.4990, -57.8270

Conversions

Conversions Part 2

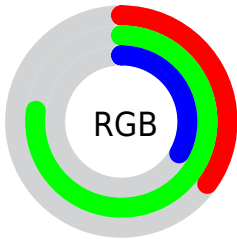
Format	Color
RYB	84, 197, 191
Decimal	5948756
CIELab	71.38, -52.98, 46.71
CIELCh	71, 70.633, 138.602
Yxy	42.7463, 0.3076, 0.5100
Android (android.graphics.Color)	4284138836 (0xFF5AC554)
YUV	152.1250, -33.5856, -54.4836
Hunter-Lab	65.3807, -44.0273, 31.9026

Details

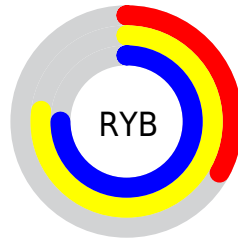
The Yxy color **42.7463, 0.3076, 0.5100** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted green. A complement of this color would be **21.4663, 0.3121, 0.1928**, and the grayscale version is **31.6121, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6220, 0.3117, 0.4729**, and **19.5735, 0.2967, 0.5710** is the 20% darker color. If you saturate the color by 10%, you get **41.6603, 0.3059, 0.5418**, and if you desaturate by 10%, it is **44.1577, 0.3091, 0.4753**.

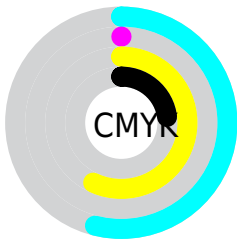
Distribution



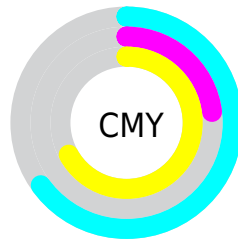
- Red (35%)
- Green (77%)
- Blue (33%)



- Red (33%)
- Yellow (77%)
- Blue (75%)



- Cyan (54%)
- Magenta (0%)
- Yellow (57%)
- Black (23%)



- Cyan (65%)
- Magenta (23%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.7463, 0.3076, 0.5100 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 42.7463, 0.3076, 0.5100 by changing the saturation by 10% instead.


 42.7463, 0.3076,
0.5100


 42.7463, 0.3076,
0.5100


357.5674, 0.3155,
0.4118


 29.6861, 0.3034,
0.5363


 79.3279, 0.3120,
0.4728


 19.6005, 0.2964,
0.5707


 103.6181, 0.3132,
0.4592


 12.1050, 0.2844,
0.6168


 132.4203, 0.3140,
0.4479

 6.8152, 0.2641,
0.6840

 166.1192, 0.3146,
0.4384

 3.3468, 0.2232,
0.7768

 205.0989, 0.3150,
0.4303

 1.3154, 0.0000,
1.0000

249.7439, 0.3152,


 0.1530, 0.0000,

0.4233

1.0000


300.4386, 0.3154,
0.4172


 0.0000, 0.0000,
0.0000


 42.7463, 0.3076,
0.5100


 42.7463, 0.3076,
0.5100


 41.6603, 0.3059,
0.5418


 44.1577, 0.3091,
0.4753


 40.8689, 0.3042,
0.5681


 45.9118, 0.3103,
0.4401


 40.3447, 0.3025,
0.5868

 48.0312, 0.3112,
0.4064

 40.0508, 0.3012,
0.5972

 50.5347, 0.3119,
0.3753

 40.0019, 0.3010,
0.5992

 53.4402, 0.3125,
0.3474

■ 56.7642, 0.3128,
0.3228

■ 60.5224, 0.3130,
0.3014

■ 64.7296, 0.3131,
0.2829

■ 68.4153, 0.3154,
0.2722

Harmonies

Analogous

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



42.7463, 0.3996, 0.5059



42.7463, 0.3076, 0.5100



42.7463, 0.2218, 0.4292

Triad

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



42.7463, 0.3076, 0.5100



42.7463, 0.1621, 0.1910



42.7463, 0.4818, 0.3103

Complementary

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



42.7463, 0.3076, 0.5100



21.4663, 0.3121, 0.1928

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.



42.7463, 0.3945, 0.2502



42.7463, 0.3076, 0.5100



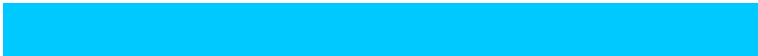
42.7463, 0.2091, 0.1848

Square

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



42.7463, 0.3076, 0.5100



42.7463, 0.1476, 0.2311



42.7463, 0.2903, 0.2058



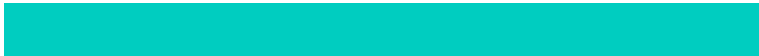
42.7463, 0.5100, 0.3779

Rectangle

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



42.7463, 0.3076, 0.5100



42.7463, 0.1804, 0.3511



42.7463, 0.2903, 0.2058



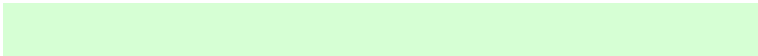
42.7463, 0.4578, 0.2891

Sweetspot

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



42.7481, 0.3076, 0.5100



90.5404, 0.3120, 0.3750



49.1120, 0.3988, 0.4562



19.1711, 0.3118, 0.3811



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.



42.7481, 0.3076, 0.5100



74.1734, 0.3055, 0.5496



43.5155, 0.2772, 0.4330



11.9140, 0.3124, 0.3528



26.3207, 0.3013, 0.5990



1.2557, 0.3059, 0.5953

Inverse Universe

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



21.4663, 0.3121, 0.1928



32.3713, 0.3111, 0.1714



20.3587, 0.3838, 0.2476



10.7872, 0.3130, 0.3062



9.5848, 0.3079, 0.1470



0.4627, 0.3108, 0.1486

Previews

White Background



This preview shows how the Yxy color 42.7463, 0.3076, 0.5100 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 42.7463, 0.3076, 0.5100 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

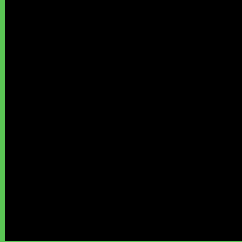
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7463, 0.3076, 0.5100

Background



This preview shows how black text looks on a background with the Yxy color 42.7463, 0.3076, 0.5100.



This preview shows how white text looks on a background with the Yxy color 42.7463, 0.3076, 0.5100.

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

42.7463, 0.3076, 0.5100

Protanopia

42.1454, 0.4104, 0.4496

Deuteranopia

41.8467, 0.4249, 0.4148



Tritanopia

42.5129, 0.2518, 0.3072

Trichromacy



Original Color

42.7463, 0.3076, 0.5100



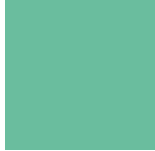
Protanomaly

41.1030, 0.3672, 0.4734



Deuteranomaly

40.5073, 0.3749, 0.4504



Tritanomaly

41.9280, 0.2729, 0.3774

Monochromacy



Original Color

42.7463, 0.3076, 0.5100



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.2047, 0.3113, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7463, 0.3076, 0.5100 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(90, 197, 84)` looks like.

```
.text, #text, p{  
    color:rgb(90, 197, 84)  
}
```

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(90, 197, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 197, 84) }
```

Border

The CSS property to change the border of an element to Yxy 42.7463, 0.3076, 0.5100 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(90, 197, 84) }
```

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

```
.border{ border-color:rgb(90, 197, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 197, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 197, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 197, 84);  
box-shadow:4px 4px 4px 4px rgb(90, 197,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7463, 0.3076, 0.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 197, 84) }
```

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

```
.background{ background-color: rgb(90, 197,  
84) }
```

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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