

Converting Colors

$Y_{xy}(42.2771, 0.2916, 0.5224)$

Have a look what the booklet for
Yxy(42.2771, 0.2916, 0.5224)
contains.

Yxy(42.3121, 0.2914, 0.5222)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(42.3121, 0.2914, 0.5222)

Conversions

Conversions Part 1

Format	Color
Hex	38C753
RGB	56, 199, 83
RGB Percent	22%, 78%, 33%
CMY	0.7808, 0.2196, 0.6746
CMYK	0.72, 0.00, 0.58, 0.22
HSL	131°, 56%, 50%
HSV	131°, 72%, 78%
XYZ	23.6112, 42.3121, 15.1034
YIQ	143.0190, -47.9920, -66.3920

Conversions

Conversions Part 2

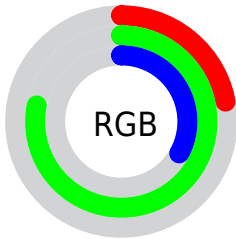
Format	Color
RYB	56, 176, 199
Decimal	3721043
CIELab	71.09, -61.06, 46.62
CIELCh	71, 76.817, 142.637
Yxy	42.3121, 0.2914, 0.5222
Android (android.graphics.Color)	4281911123 (0xFF38C753)
YUV	143.0190, -29.5894, -76.3157
Hunter-Lab	65.0478, -49.0413, 31.7670

Details

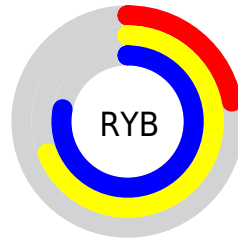
The Yxy color **42.3121, 0.2914, 0.5222** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **17.9382, 0.3557, 0.1969**, and the grayscale version is **27.6006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.4351, 0.2989, 0.4799**, and **20.0403, 0.2933, 0.5758** is the 20% darker color. If you saturate the color by 10%, you get **41.6301, 0.2918, 0.5481**, and if you desaturate by 10%, it is **43.2832, 0.2922, 0.4931**.

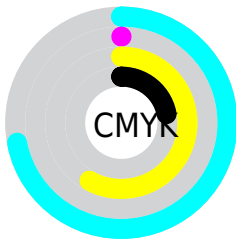
Distribution



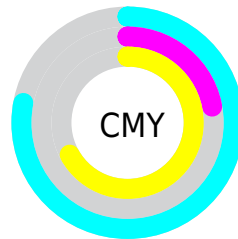
- Red (22%)
- Green (78%)
- Blue (33%)



- Red (22%)
- Yellow (69%)
- Blue (78%)



- Cyan (72%)
- Magenta (0%)
- Yellow (58%)
- Black (22%)





- Cyan (78%)
- Magenta (22%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3121, 0.2914, 0.5222 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 42.3121, 0.2914, 0.5222 by changing the saturation by 10% instead.

 42.3121, 0.2914,
0.5222


 42.3121, 0.2914,
0.5222


355.7751, 0.3081,
0.4162


 29.3458, 0.2848,
0.5510


 78.6718, 0.2992,
0.4817

 19.3425, 0.2747,
0.5889


 102.8339, 0.3015,
0.4671


 11.9180, 0.2585,
0.6399


 131.4967, 0.3033,
0.4550

 6.6879, 0.2324,
0.7154

 165.0446, 0.3047,
0.4447

 3.2677, 0.1822,
0.8178

 203.8620, 0.3059,
0.4360

 1.2730, 0.0000,
1.0000

248.3333, 0.3067,

 0.1202, 0.0000,

0.4285

1.0000

298.8428, 0.3075,
0.4220

■ 0.0000, 0.0000,
0.0000

■ 42.3121, 0.2914,
0.5222

■ 42.3121, 0.2914,
0.5222

■ 41.6301, 0.2918,
0.5481

■ 43.2832, 0.2922,
0.4931

■ 41.1991, 0.2934,
0.5693

■ 44.5661, 0.2942,
0.4628

■ 40.9893, 0.2951,
0.5824

■ 46.1870, 0.2970,
0.4327

■ 48.1678, 0.3004,
0.4041

■ 50.5287, 0.3041,
0.3777

■ 53.2883, 0.3081,
0.3539

■ 56.4641, 0.3120,
0.3327

■ 60.0723, 0.3158,
0.3142

■ 64.1284, 0.3194,
0.2981

Harmonies

Analogous

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



42.3121, 0.3904, 0.5254



42.3121, 0.2914, 0.5222



42.3121, 0.2031, 0.4220

Triad

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



42.3121, 0.2914, 0.5222



42.3121, 0.1565, 0.1783



42.3121, 0.5053, 0.3163

Complementary

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



42.3121, 0.2914, 0.5222



17.9382, 0.3557, 0.1969

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.



42.3121, 0.4166, 0.2518



42.3121, 0.2914, 0.5222



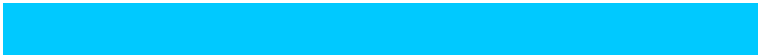
42.3121, 0.2105, 0.1764

Square

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



42.3121, 0.2914, 0.5222



42.3121, 0.1368, 0.2142



42.3121, 0.3021, 0.2023



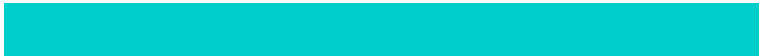
42.3121, 0.5238, 0.3879

Rectangle

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



42.3121, 0.2914, 0.5222



42.3121, 0.1633, 0.3351



42.3121, 0.3021, 0.2023



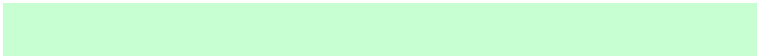
42.3121, 0.4822, 0.2938

Sweetspot

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



42.3138, 0.2914, 0.5222



88.2776, 0.3040, 0.3787



49.9946, 0.3845, 0.5016



18.6387, 0.3029, 0.3858



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.



42.3138, 0.2914, 0.5222



72.4284, 0.2925, 0.5602



44.0124, 0.2548, 0.4025



11.9201, 0.3091, 0.3483



26.3638, 0.2946, 0.5805



1.2585, 0.2840, 0.5426

Inverse Universe

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



17.9382, 0.3557, 0.1969



27.3329, 0.3670, 0.1860



15.9065, 0.4775, 0.2779



10.7809, 0.3166, 0.3105



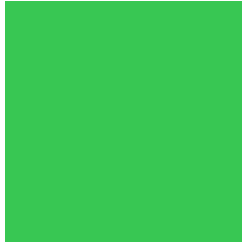
9.4822, 0.3749, 0.1839



0.4581, 0.3617, 0.1766

Previews

White Background



This preview shows how the Yxy color 42.3121, 0.2914, 0.5222 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 42.3121, 0.2914, 0.5222 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 42.3121, 0.2914, 0.5222

Background



This preview shows how black text looks on a background with the Yxy color 42.3121, 0.2914, 0.5222.



This preview shows how white text looks on a background with the Yxy color 42.3121, 0.2914, 0.5222.

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

42.3121, 0.2914, 0.5222

Protanopia

41.6016, 0.4114, 0.4510

Deuteranopia

41.1901, 0.4237, 0.4144



Tritanopia

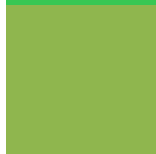
42.1846, 0.2403, 0.3068

Trichromacy



Original Color

42.3121, 0.2914, 0.5222



Protanomaly

39.8456, 0.3562, 0.4823



Deuteranomaly

39.1341, 0.3629, 0.4575



Tritanomaly

41.4703, 0.2587, 0.3805

Monochromacy



Original Color

42.3121, 0.2914, 0.5222



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.9544, 0.3004, 0.4025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3121, 0.2914, 0.5222 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(56, 199, 83)` looks like.

```
.text, #text, p{  
    color:rgb(56, 199, 83)  
}
```

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(56, 199, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 199, 83) }
```

Border

The CSS property to change the border of an element to Yxy 42.3121, 0.2914, 0.5222 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(56, 199, 83) }
```

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

```
.border{ border-color:rgb(56, 199, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 199, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 199, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 199, 83);  
box-shadow:4px 4px 4px 4px rgb(56, 199,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3121, 0.2914, 0.5222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 199, 83) }
```

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

```
.background{ background-color: rgb(56, 199,  
83) }
```

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