

Converting Colors

$Y_{xy}(44.6361, 0.3101, 0.5714)$

Have a look what the booklet for
Yxy(44.6361, 0.3101, 0.5714)
contains.

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Color

Yxy(44.4560, 0.3102, 0.5712)

Conversions

Conversions Part 1

Format	Color
Hex	41CC27
RGB	65, 204, 39
RGB Percent	25%, 80%, 15%
CMY	0.7448, 0.2000, 0.8469
CMYK	0.68, 0.00, 0.81, 0.20
HSL	111°, 68%, 48%
HSV	111°, 81%, 80%
XYZ	24.1426, 44.4560, 9.2305
YIQ	143.6290, -29.8790, -80.7830

Conversions

Conversions Part 2

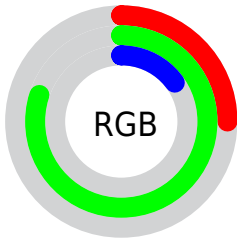
Format	Color
RYB	39, 204, 178
Decimal	4312103
CIELab	72.53, -64.95, 64.78
CIELCh	73, 91.735, 135.074
Yxy	44.4560, 0.3102, 0.5712
Android (android.graphics.Color)	4282502183 (0xFF41CC27)
YUV	143.6290, -51.5821, -68.9576
Hunter-Lab	66.6753, -52.0484, 38.4646

Details

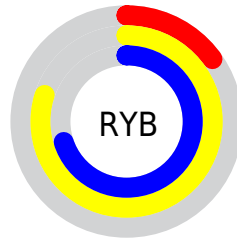
The Yxy color **44.4560, 0.3102, 0.5712** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **15.2749, 0.2890, 0.1472**, and the grayscale version is **27.9627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2461, 0.3183, 0.5190**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.8564, 0.3071, 0.5876**, and if you desaturate by 10%, it is **45.3103, 0.3128, 0.5473**.

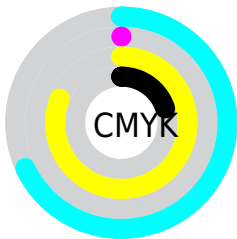
Distribution



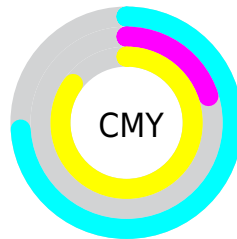
- Red (25%)
- Green (80%)
- Blue (15%)



- Red (15%)
- Yellow (80%)
- Blue (70%)



- Cyan (68%)
- Magenta (0%)
- Yellow (81%)
- Black (20%)




- Cyan (74%)
- Magenta (20%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4560, 0.3102, 0.5712 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 44.4560, 0.3102, 0.5712 by changing the saturation by 10% instead.


 44.4560, 0.3102,
0.5712


 44.4560, 0.3102,
0.5712

364.5659, 0.3220,
0.4414


 31.0292, 0.3029,
0.6038


 81.9035, 0.3176,
0.5232


 20.6211, 0.2908,
0.6445


 106.6929, 0.3194,
0.5053


 12.8473, 0.2711,
0.6965

 136.0386, 0.3206,
0.4903

 7.3235, 0.2376,
0.7624

 170.3251, 0.3213,
0.4775

 3.6652, 0.1765,
0.8235

 209.9366, 0.3217,
0.4665

 1.4881, 0.0000,
1.0000

 255.2577, 0.3219,

 0.2803, 0.0000,

0.4570

1.0000

306.6726, 0.3220,
0.4487

■ 0.0000, 0.0000,
0.0000

■ 44.4560, 0.3102,
0.5712

■ 44.4560, 0.3102,
0.5712

■ 43.8564, 0.3071,
0.5876

■ 45.3103, 0.3128,
0.5473


■ 43.4952, 0.3044,
0.5965


■ 46.4387, 0.3147,
0.5177


■ 47.8647, 0.3158,
0.4846


■ 49.6078, 0.3161,
0.4504

■ 51.6859, 0.3159,
0.4169

 54.1154, 0.3151,
0.3855

 56.9117, 0.3141,
0.3567

 60.0892, 0.3128,
0.3311

 63.6616, 0.3115,
0.3084

Harmonies

Analogous

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



44.4560, 0.4202, 0.5366



44.4560, 0.3102, 0.5712



44.4560, 0.2060, 0.4790

Triad

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



44.4560, 0.3102, 0.5712



44.4560, 0.1289, 0.1643



44.4560, 0.5181, 0.2914

Complementary

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



44.4560, 0.3102, 0.5712



15.2749, 0.2890, 0.1472

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.



44.4560, 0.3992, 0.2244



44.4560, 0.3102, 0.5712



44.4560, 0.1771, 0.1553

Square

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



44.4560, 0.3102, 0.5712



44.4560, 0.1158, 0.2129



44.4560, 0.2686, 0.1764



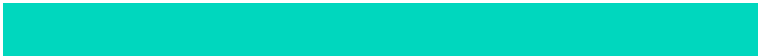
44.4560, 0.5577, 0.3666

Rectangle

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



44.4560, 0.3102, 0.5712



44.4560, 0.1554, 0.3718



44.4560, 0.2686, 0.1764



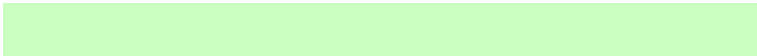
44.4560, 0.4847, 0.2678

Sweetspot

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



44.4579, 0.3102, 0.5712



88.1666, 0.3154, 0.3960



44.2331, 0.4377, 0.4734



18.5617, 0.3157, 0.4074



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.



44.4579, 0.3102, 0.5712



72.1334, 0.3047, 0.5947



44.4258, 0.2818, 0.5121



12.6205, 0.3139, 0.3528



27.4032, 0.3050, 0.5961



1.4412, 0.3163, 0.5870

Inverse Universe

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



15.2749, 0.2890, 0.1472



21.9813, 0.2818, 0.1334



16.4611, 0.4007, 0.2124



11.3107, 0.3113, 0.3060



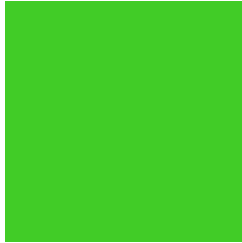
8.2847, 0.2816, 0.1325



0.4521, 0.2898, 0.1370

Previews

White Background



This preview shows how the Yxy color 44.4560, 0.3102, 0.5712 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 44.4560, 0.3102, 0.5712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

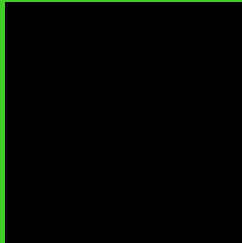
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4560, 0.3102, 0.5712

Background



This preview shows how black text looks on a background with the Yxy color 44.4560, 0.3102, 0.5712.



This preview shows how white text looks on a background with the Yxy color 44.4560, 0.3102, 0.5712.

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

44.4560, 0.3102, 0.5712

Protanopia

43.6907, 0.4347, 0.4804

Deuteranopia

43.3050, 0.4548, 0.4438



Tritanopia

44.1777, 0.2445, 0.3073

Trichromacy



Original Color

44.4560, 0.3102, 0.5712



Protanomaly

42.1460, 0.3788, 0.5209



Deuteranomaly

40.7653, 0.3920, 0.4962



Tritanomaly

43.2482, 0.2729, 0.4091

Monochromacy



Original Color

44.4560, 0.3102, 0.5712



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

31.9579, 0.3156, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4560, 0.3102, 0.5712 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(65, 204, 39)` looks like.

```
.text, #text, p{  
    color:rgb(65, 204, 39)  
}
```

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(65, 204, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 204, 39) }
```

Border

The CSS property to change the border of an element to Yxy 44.4560, 0.3102, 0.5712 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(65, 204, 39) }
```

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

```
.border{ border-color:rgb(65, 204, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 204, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 204, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 204, 39);  
box-shadow:4px 4px 4px 4px rgb(65, 204,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4560, 0.3102, 0.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 204, 39) }
```

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

```
.background{ background-color: rgb(65, 204,  
39) }
```

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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