

Converting Colors

$Y_{xy}(55.7479, 0.2993, 0.5711)$

Have a look what the booklet for
Yxy(55.7479, 0.2993, 0.5711)
contains.

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Color

Yxy(55.7624, 0.2991, 0.5708)

Conversions

Conversions Part 1

Format	Color
Hex	2DE336
RGB	45, 227, 54
RGB Percent	18%, 89%, 21%
CMY	0.8232, 0.1098, 0.7883
CMYK	0.80, 0.00, 0.76, 0.11
HSL	123°, 76%, 53%
HSV	123°, 80%, 89%
XYZ	29.2196, 55.7624, 12.7097
YIQ	152.8600, -52.9390, -92.3870

Conversions

Conversions Part 2

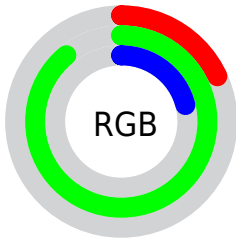
Format	Color
RYB	45, 218, 227
Decimal	3007286
CIELab	79.48, -74.09, 66.87
CIELCh	79, 99.808, 137.930
Yxy	55.7624, 0.2991, 0.5708
Android (android.graphics.Color)	4281197366 (0xFF2DE336)
YUV	152.8600, -48.7380, -94.5932
Hunter-Lab	74.6742, -60.8339, 42.1807

Details

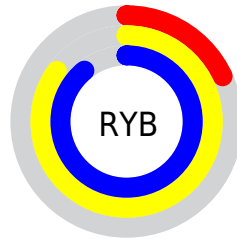
The Yxy color **55.7624, 0.2991, 0.5708** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **23.2828, 0.3304, 0.1698**, and the grayscale version is **32.0361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9973, 0.3094, 0.5064**, and **28.7495, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **55.2201, 0.2991, 0.5883**, and if you desaturate by 10%, it is **56.6759, 0.2997, 0.5457**.

Distribution



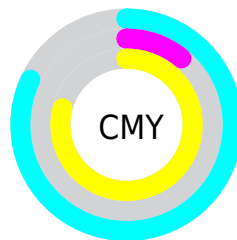
- Red (18%)
- Green (89%)
- Blue (21%)



- Red (18%)
- Yellow (85%)
- Blue (89%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (11%)




- Cyan (82%)
- Magenta (11%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7624, 0.2991, 0.5708 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 55.7624, 0.2991, 0.5708 by changing the saturation by 10% instead.

 55.7624, 0.2991,
0.5708

 55.7624, 0.2991,
0.5708

408.7955, 0.3157,
0.4447

 40.0125, 0.2916,
0.6016


 98.6571, 0.3077,
0.5249


 27.5483, 0.2801,
0.6399


 126.5706, 0.3101,
0.5076


 17.9854, 0.2620,
0.6873


 159.3075, 0.3119,
0.4930

 10.9395, 0.2367,
0.7575

 197.2521, 0.3132,
0.4805

 6.0262, 0.1862,
0.8138

 240.7888, 0.3141,
0.4697

 2.8610, 0.0777,
0.9223

290.3020, 0.3148,

 1.0596, 0.0000,


0.4603


1.0000


346.1761, 0.3153,
0.4520


 0.0000, 0.0000,
0.0000


 55.7624, 0.2991,
0.5708


 55.7624, 0.2991,
0.5708


 55.2201, 0.2991,
0.5883


 56.6759, 0.2997,
0.5457


 54.9630, 0.2993,
0.5976


 58.0031, 0.3009,
0.5149


 59.7880, 0.3026,
0.4808

 62.0674, 0.3045,
0.4461

 64.8742, 0.3066,
0.4127

 68.2386, 0.3087,
0.3817

 72.1883, 0.3108,
0.3538

 76.7495, 0.3127,
0.3293

 81.9464, 0.3145,
0.3080

Harmonies

Analogous

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



55.7624, 0.4103, 0.5448



55.7624, 0.2991, 0.5708



55.7624, 0.1965, 0.4658

Triad

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



55.7624, 0.2991, 0.5708



55.7624, 0.1309, 0.1609



55.7624, 0.5277, 0.2978

Complementary

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



55.7624, 0.2991, 0.5708



23.2828, 0.3304, 0.1698

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.



55.7624, 0.4130, 0.2295



55.7624, 0.2991, 0.5708



55.7624, 0.1829, 0.1551

Square

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



55.7624, 0.2991, 0.5708



55.7624, 0.1145, 0.2050



55.7624, 0.2794, 0.1789



55.7624, 0.5584, 0.3739

Rectangle

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



55.7624, 0.2991, 0.5708



55.7624, 0.1488, 0.3568



55.7624, 0.2794, 0.1789



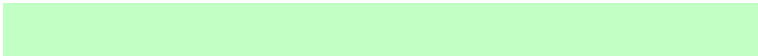
55.7624, 0.4966, 0.2739

Sweetspot

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



55.7647, 0.2991, 0.5708



86.9845, 0.3079, 0.3938



70.4911, 0.4087, 0.4989



18.2868, 0.3071, 0.4050



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.



55.7647, 0.2991, 0.5708



71.6444, 0.2993, 0.5952



57.4549, 0.2657, 0.4565



16.1005, 0.3109, 0.3521



32.0592, 0.2991, 0.5968



2.3731, 0.2966, 0.5878

Inverse Universe

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



23.2828, 0.3304, 0.1698



27.9550, 0.3332, 0.1619



19.8261, 0.4611, 0.2494



14.6024, 0.3145, 0.3070



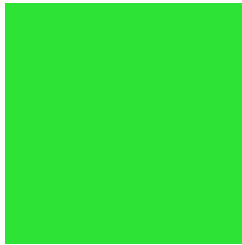
12.4182, 0.3335, 0.1611



0.9214, 0.3315, 0.1600

Previews

White Background



This preview shows how the Yxy color 55.7624, 0.2991, 0.5708 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 55.7624, 0.2991, 0.5708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

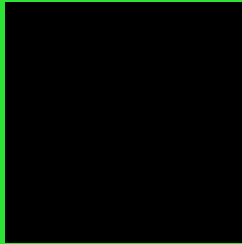
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7624, 0.2991, 0.5708

Background



This preview shows how black text looks on a background with the Yxy color 55.7624, 0.2991, 0.5708.



This preview shows how white text looks on a background with the Yxy color 55.7624, 0.2991, 0.5708.

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

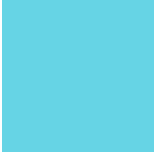
55.7624, 0.2991, 0.5708

Protanopia

54.2875, 0.4319, 0.4763

Deuteranopia

54.2075, 0.4502, 0.4401



Tritanopia

55.5689, 0.2381, 0.3065

Trichromacy



Original Color

55.7624, 0.2991, 0.5708



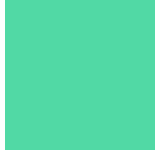
Protanomaly

51.9153, 0.3676, 0.5218



Deuteranomaly

50.3481, 0.3786, 0.4963



Tritanomaly

54.0917, 0.2626, 0.4058

Monochromacy



Original Color

55.7624, 0.2991, 0.5708



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.5043, 0.3055, 0.4328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7624, 0.2991, 0.5708 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(45, 227, 54)` looks like.

```
.text, #text, p{  
    color:rgb(45, 227, 54)  
}
```

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(45, 227, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 227, 54) }
```

Border

The CSS property to change the border of an element to Yxy 55.7624, 0.2991, 0.5708 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(45, 227, 54) }
```

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

```
.border{ border-color:rgb(45, 227, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 227, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 227, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 227, 54);  
box-shadow:4px 4px 4px 4px rgb(45, 227,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7624, 0.2991, 0.5708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 227, 54) }
```

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

```
.background{ background-color: rgb(45, 227,  
54) }
```

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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