

Converting Colors

Yxy(44.6686, 0.3027, 0.5939)

Have a look what the booklet for
Yxy(44.6686, 0.3027, 0.5939)
contains.

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Color

Yxy(44.4304, 0.3027, 0.5939)

Conversions

Conversions Part 1

Format	Color
Hex	1DCE0C
RGB	29, 206, 12
RGB Percent	11%, 81%, 5%
CMY	0.8862, 0.1921, 0.9522
CMYK	0.86, 0.00, 0.94, 0.19
HSL	115°, 89%, 43%
HSV	115°, 94%, 81%
XYZ	22.6454, 44.4304, 7.7355
YIQ	130.9610, -43.2180, -97.8580

Conversions

Conversions Part 2

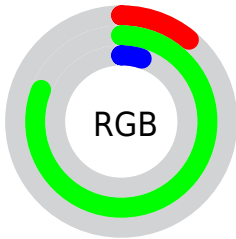
Format	Color
R _Y B	12, 206, 189
Decimal	1953292
CIE Lab	72.52, -71.56, 69.78
CIE LCh	73, 99.952, 135.723
Yxy	44.4304, 0.3027, 0.5939
Android (android.graphics.Color)	4280143372 (0xFF1DCE0C)
YUV	130.9610, -58.6478, -89.4198
Hunter-Lab	66.6561, -56.0057, 39.7787

Details

The Yxy color **44.4304, 0.3027, 0.5939** 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 **15.5655, 0.3003, 0.1447**, and the grayscale version is **22.9168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6866, 0.3141, 0.5377**, and **21.8127, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.2714, 0.3018, 0.5986**, and if you desaturate by 10%, it is **44.8765, 0.3048, 0.5807**.

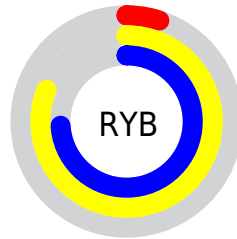
Distribution



Red (11%)

Green (81%)

Blue (5%)



Red (5%)

Yellow (81%)

Blue (74%)

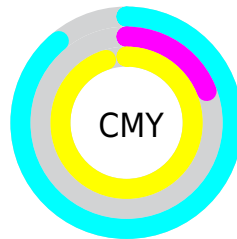


Cyan (86%)

Magenta (0%)

Yellow (94%)

Black (19%)



Cyan (89%)


Magenta (19%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4304, 0.3027, 0.5939 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 44.4304, 0.3027, 0.5939 by changing the saturation by 10% instead.

 44.4304, 0.3027,
0.5939

 44.4304, 0.3027,
0.5939


364.4617, 0.3205,
0.4519

 31.0090, 0.2931,
0.6290


 81.8650, 0.3129,
0.5417


 20.6057, 0.2778,
0.6720


 106.6470, 0.3155,
0.5221


 12.8361, 0.2552,
0.7307


 135.9847, 0.3174,
0.5056

 7.3158, 0.2129,
0.7871

 170.2624, 0.3186,
0.4916

 3.6604, 0.1453,
0.8547

 209.8646, 0.3194,
0.4796

 1.4854, 0.0000,
1.0000

 255.1756, 0.3199,

 0.2785, 0.0000,

0.4691

1.0000

306.5798, 0.3203,
0.4600

■ 0.0000, 0.0000,
0.0000

■ 44.4304, 0.3027,
0.5939

■ 44.4304, 0.3027,
0.5939

■ 44.2714, 0.3018,
0.5986

■ 44.8765, 0.3048,
0.5807

■ 45.5849, 0.3069,
0.5594

■ 46.5903, 0.3089,
0.5311

■ 47.9211, 0.3104,
0.4982

■ 49.6021, 0.3116,
0.4634

■ 51.6557, 0.3124,
0.4287

■ 54.1026, 0.3128,
0.3959

■ 56.9618, 0.3129,
0.3659

■ 60.2511, 0.3128,
0.3390

Harmonies

Analogous

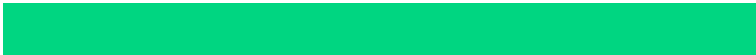
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4304, 0.4194, 0.5503



44.4304, 0.3027, 0.5939



44.4304, 0.1938, 0.4910

Triad

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



44.4304, 0.3027, 0.5939



44.4304, 0.1190, 0.1530



44.4304, 0.5375, 0.2880

Complementary

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



44.4304, 0.3027, 0.5939



15.5655, 0.3003, 0.1447

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.



44.4304, 0.4091, 0.2183



44.4304, 0.3027, 0.5939



44.4304, 0.1695, 0.1452

Square

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



44.4304, 0.3027, 0.5939



44.4304, 0.1043, 0.2012



44.4304, 0.2670, 0.1678



44.4304, 0.5749, 0.3655

Rectangle

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



44.4304, 0.3027, 0.5939



44.4304, 0.1422, 0.3703



44.4304, 0.2670, 0.1678



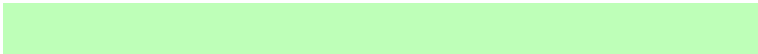
44.4304, 0.5020, 0.2636

Sweetspot

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



44.4322, 0.3027, 0.5939



85.8851, 0.3126, 0.4096



48.5292, 0.4357, 0.4893



18.0211, 0.3124, 0.4241



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.



44.4322, 0.3027, 0.5939



71.6921, 0.3015, 0.5988



44.9567, 0.2796, 0.5225



12.5827, 0.3129, 0.3529



27.2781, 0.3022, 0.5983



1.4237, 0.3092, 0.5927

Inverse Universe

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



15.5655, 0.3003, 0.1447



24.5210, 0.2988, 0.1419



14.9607, 0.4445, 0.2253



11.3523, 0.3124, 0.3061



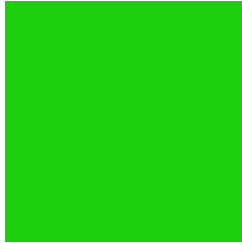
9.3581, 0.2994, 0.1423



0.4977, 0.3038, 0.1447

Previews

White Background



This preview shows how the Yxy color 44.4304, 0.3027, 0.5939 looks on a white background.

Color Contrast Check

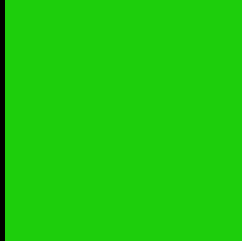
Large Text (above 18pt) WCAG AA × Fail

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 44.4304, 0.3027, 0.5939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

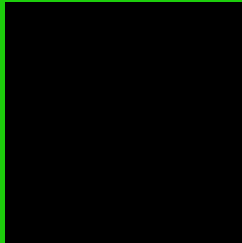
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.4304, 0.3027, 0.5939

Background



This preview shows how black text looks on a background with the Yxy color 44.4304, 0.3027, 0.5939.



This preview shows how white text looks on a background with the Yxy color 44.4304, 0.3027, 0.5939.

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

44.4304, 0.3027, 0.5939

Protanopia

43.5864, 0.4403, 0.4886

Deuteranopia

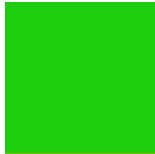
43.2068, 0.4600, 0.4504



Tritanopia

44.3779, 0.2376, 0.3071

Trichromacy



Original Color

44.4304, 0.3027, 0.5939



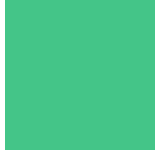
Protanomaly

41.2936, 0.3716, 0.5419



Deuteranomaly

39.7425, 0.3844, 0.5165



Tritanomaly

42.9390, 0.2682, 0.4298

Monochromacy



Original Color

44.4304, 0.3027, 0.5939



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

27.5380, 0.3116, 0.4612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4304, 0.3027, 0.5939 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(29, 206, 12)` looks like.

```
.text, #text, p{  
    color:rgb(29, 206, 12)  
}
```

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(29, 206, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 206, 12) }
```

Border

The CSS property to change the border of an element to Yxy 44.4304, 0.3027, 0.5939 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(29, 206, 12) }
```

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

```
.border{ border-color:rgb(29, 206, 12) }
```

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

Here you see how a box with a 4 pixel rgb(29, 206, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 206, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 206, 12);  
box-shadow:4px 4px 4px 4px rgb(29, 206,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4304, 0.3027, 0.5939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 206, 12) }
```

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

```
.background{ background-color: rgb(29, 206,  
12) }
```

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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