

Converting Colors

Yxy(44.8488, 0.2930, 0.5693)

Have a look what the booklet for
Yxy(44.8488, 0.2930, 0.5693)
contains.

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Color

Yxy(44.9761, 0.2931, 0.5697)

Conversions

Conversions Part 1

Format	Color
Hex	0ECF35
RGB	14, 207, 53
RGB Percent	5%, 81%, 21%
CMY	0.9442, 0.1882, 0.7921
CMYK	0.93, 0.00, 0.74, 0.19
HSL	132°, 87%, 43%
HSV	132°, 93%, 81%
XYZ	23.1394, 44.9761, 10.8315
YIQ	131.7370, -65.5940, -88.8100

Conversions

Conversions Part 2

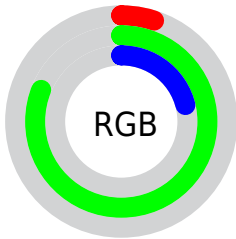
Format	Color
RYB	14, 175, 207
Decimal	970549
CIELab	72.88, -70.88, 60.56
CIELCh	73, 93.232, 139.488
Yxy	44.9761, 0.2931, 0.5697
Android (android.graphics.Color)	4279160629 (0xFF0ECF35)
YUV	131.7370, -38.8173, -103.2553
Hunter-Lab	67.0642, -55.7740, 37.3690

Details

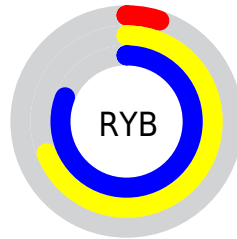
The Yxy color **44.9761, 0.2931, 0.5697** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **16.4202, 0.3749, 0.1866**, and the grayscale version is **23.1609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7499, 0.3031, 0.5150**, and **22.1332, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **44.7903, 0.2947, 0.5808**, and if you desaturate by 10%, it is **45.4181, 0.2912, 0.5490**.

Distribution



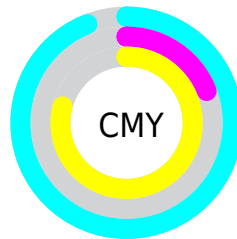
- Red (5%)
- Green (81%)
- Blue (21%)



- Red (5%)
- Yellow (69%)
- Blue (81%)



- Cyan (93%)
- Magenta (0%)
- Yellow (74%)
- Black (19%)





- Cyan (94%)
- Magenta (19%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9761, 0.2931, 0.5697 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 44.9761, 0.2931, 0.5697 by changing the saturation by 10% instead.


 44.9761, 0.2931,
0.5697

 44.9761, 0.2931,
0.5697


366.6768, 0.3126,
0.4392


 31.4386, 0.2844,
0.6035


 82.6845, 0.3029,
0.5208

 20.9331, 0.2710,
0.6463


 107.6243, 0.3058,
0.5028

 13.0751, 0.2493,
0.7007


 137.1336, 0.3078,
0.4878

 7.4803, 0.2173,
0.7827

 171.5968, 0.3093,
0.4750

 3.7642, 0.1524,
0.8476

 211.3983, 0.3105,
0.4641

 1.5426, 0.0000,
1.0000

256.9225, 0.3114,

 0.3184, 0.0000,

0.4547

1.0000

308.5539, 0.3121,
0.4465

■ 0.0000, 0.0000,
0.0000

■ 44.9761, 0.2931,
0.5697

■ 44.9761, 0.2931,
0.5697

■ 44.7903, 0.2947,
0.5808

■ 45.4181, 0.2912,
0.5490

■ 46.1288, 0.2906,
0.5235

■ 47.1470, 0.2913,
0.4949

■ 48.5039, 0.2931,
0.4649

■ 50.2265, 0.2959,
0.4350

■ 52.3393, 0.2994,
0.4065

■ 54.8645, 0.3033,
0.3801

■ 57.8227, 0.3073,
0.3563

■ 61.2330, 0.3114,
0.3351

Harmonies

Analogous

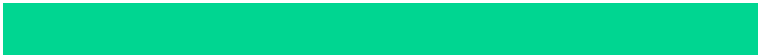
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9761, 0.4047, 0.5489



44.9761, 0.2931, 0.5697



44.9761, 0.1916, 0.4580

Triad

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



44.9761, 0.2931, 0.5697



44.9761, 0.1322, 0.1594



44.9761, 0.5324, 0.3014

Complementary

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



44.9761, 0.2931, 0.5697



16.4202, 0.3749, 0.1866

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.



44.9761, 0.4205, 0.2324



44.9761, 0.2931, 0.5697



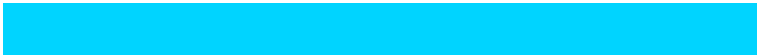
44.9761, 0.1864, 0.1552

Square

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



44.9761, 0.2931, 0.5697



44.9761, 0.1140, 0.2011



44.9761, 0.2856, 0.1805



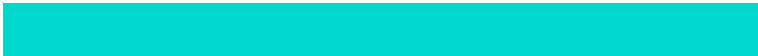
44.9761, 0.5581, 0.3780

Rectangle

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



44.9761, 0.2931, 0.5697



44.9761, 0.1455, 0.3487



44.9761, 0.2856, 0.1805



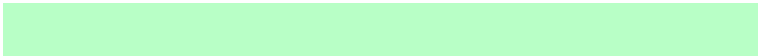
44.9761, 0.5027, 0.2774

Sweetspot

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



44.9780, 0.2931, 0.5697



85.7368, 0.3012, 0.3935



53.0316, 0.3852, 0.5288



17.9881, 0.2995, 0.4053



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.



44.9780, 0.2931, 0.5697



71.7618, 0.2951, 0.5823



46.8960, 0.2519, 0.4228



13.2446, 0.3089, 0.3481



28.2309, 0.2941, 0.5788



1.5901, 0.2846, 0.5445

Inverse Universe

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



16.4202, 0.3749, 0.1866



25.6043, 0.3808, 0.1871



14.0541, 0.5575, 0.2895



11.9666, 0.3168, 0.3106



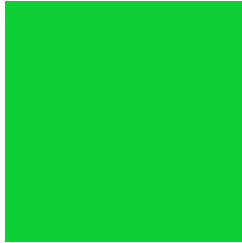
10.0910, 0.3790, 0.1861



0.5748, 0.3664, 0.1792

Previews

White Background



This preview shows how the Yxy color 44.9761, 0.2931, 0.5697 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 44.9761, 0.2931, 0.5697 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 44.9761, 0.2931, 0.5697

Background



This preview shows how black text looks on a background with the Yxy color 44.9761, 0.2931, 0.5697.



This preview shows how white text looks on a background with the Yxy color 44.9761, 0.2931, 0.5697.

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

44.9761, 0.2931, 0.5697

Protanopia

44.1724, 0.4294, 0.4749

Deuteranopia

43.7948, 0.4477, 0.4370



Tritanopia

44.7218, 0.2353, 0.3057

Trichromacy



Original Color

44.9761, 0.2931, 0.5697



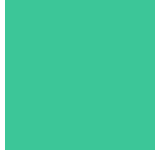
Protanomaly

41.5141, 0.3572, 0.5250



Deuteranomaly

39.9258, 0.3673, 0.4975



Tritanomaly

43.6158, 0.2567, 0.4038

Monochromacy



Original Color

44.9761, 0.2931, 0.5697



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

27.8994, 0.2960, 0.4354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9761, 0.2931, 0.5697 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(14, 207, 53)` looks like.

```
.text, #text, p{  
    color:rgb(14, 207, 53)  
}
```

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(14, 207, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 207, 53) }
```

Border

The CSS property to change the border of an element to Yxy 44.9761, 0.2931, 0.5697 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(14, 207, 53) }
```

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

```
.border{ border-color:rgb(14, 207, 53) }
```

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

Here you see how a box with a 4 pixel rgb(14, 207, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 207, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 207, 53);  
box-shadow:4px 4px 4px 4px rgb(14, 207,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9761, 0.2931, 0.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 207, 53) }
```

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

```
.background{ background-color: rgb(14, 207,  
53) }
```

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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