

Converting Colors

$Y_{xy}(56.4405, 0.2990, 0.5884)$

Have a look what the booklet for
Yxy(56.4405, 0.2990, 0.5884)
contains.

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Color

Yxy(56.3190, 0.2990, 0.5882)

Conversions

Conversions Part 1

Format	Color
Hex	16E521
RGB	22, 229, 33
RGB Percent	9%, 90%, 13%
CMY	0.9128, 0.1020, 0.8706
CMYK	0.90, 0.00, 0.86, 0.10
HSL	123°, 82%, 49%
HSV	123°, 90%, 90%
XYZ	28.6287, 56.3190, 10.8004
YIQ	144.7630, -60.4560, -104.8400

Conversions

Conversions Part 2

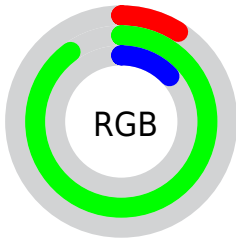
Format	Color
R _Y B	22, 219, 229
Decimal	1500449
CIE Lab	79.80, -77.75, 72.58
CIE LCh	80, 106.361, 136.967
Yxy	56.3190, 0.2990, 0.5882
Android (android.graphics.Color)	4279690529 (0xFF16E521)
YUV	144.7630, -55.0992, -107.6632
Hunter-Lab	75.0460, -63.2360, 43.9994

Details

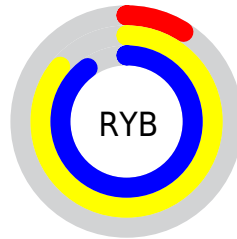
The Yxy color **56.3190, 0.2990, 0.5882** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **22.3153, 0.3330, 0.1641**, and the grayscale version is **28.4919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.1339, 0.3108, 0.5234**, and **29.5050, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **56.0645, 0.2993, 0.5975**, and if you desaturate by 10%, it is **56.8724, 0.2990, 0.5707**.

Distribution



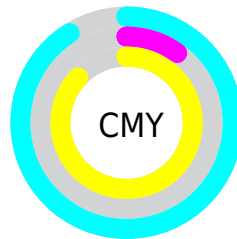
- Red (9%)
- Green (90%)
- Blue (13%)



- Red (9%)
- Yellow (86%)
- Blue (90%)



- Cyan (90%)
- Magenta (0%)
- Yellow (86%)
- Black (10%)





- Cyan (91%)
- Magenta (10%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3190, 0.2990, 0.5882 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 56.3190, 0.2990, 0.5882 by changing the saturation by 10% instead.

 56.3190, 0.2990,
0.5882


 56.3190, 0.2990,
0.5882


 410.8926, 0.3175,
0.4538

 40.4587, 0.2904,
0.6203


 99.4708, 0.3087,
0.5398

 27.8964, 0.2774,
0.6595


 127.5312, 0.3115,
0.5213


 18.2476, 0.2570,
0.7070


 160.4271, 0.3134,
0.5057


 11.1279, 0.2275,
0.7725

 198.5428, 0.3148,
0.4923

 6.1529, 0.1747,
0.8253

 242.2628, 0.3159,
0.4807

 2.9383, 0.0592,
0.9408

 291.9716, 0.3166,

 1.0996, 0.0000,

0.4706

1.0000

348.0533, 0.3171,
0.4617

■ 0.0000, 0.0000,
0.0000

■ 56.3190, 0.2990,
0.5882

■ 56.3190, 0.2990,
0.5882

■ 56.0645, 0.2993,
0.5975

■ 56.8724, 0.2990,
0.5707

■ 57.7964, 0.2995,
0.5457

■ 59.1437, 0.3007,
0.5149

■ 60.9572, 0.3023,
0.4810

■ 63.2742, 0.3043,
0.4463

■ 66.1285, 0.3064,
0.4129

■ 69.5507, 0.3086,
0.3820

■ 73.5692, 0.3107,
0.3542

■ 78.2107, 0.3127,
0.3297

Harmonies

Analogous

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



56.3190, 0.4146, 0.5514



56.3190, 0.2990, 0.5882



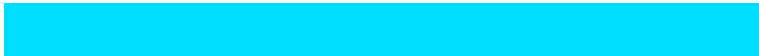
56.3190, 0.1921, 0.4809

Triad

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



56.3190, 0.2990, 0.5882



56.3190, 0.1224, 0.1542



56.3190, 0.5376, 0.2921

Complementary

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



56.3190, 0.2990, 0.5882



22.3153, 0.3330, 0.1641

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.



56.3190, 0.4138, 0.2224



56.3190, 0.2990, 0.5882



56.3190, 0.1743, 0.1476

Square

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



56.3190, 0.2990, 0.5882



56.3190, 0.1065, 0.2002



56.3190, 0.2730, 0.1712



56.3190, 0.5709, 0.3695

Rectangle

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



56.3190, 0.2990, 0.5882



56.3190, 0.1422, 0.3628



56.3190, 0.2730, 0.1712



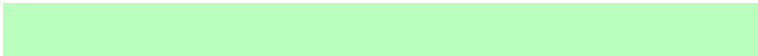
56.3190, 0.5038, 0.2677

Sweetspot

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



56.3213, 0.2990, 0.5882



85.6840, 0.3071, 0.4029



71.1046, 0.4095, 0.5084



18.0384, 0.3064, 0.4139



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.



56.3213, 0.2990, 0.5882



71.5498, 0.2994, 0.5978



57.9879, 0.2655, 0.4694



16.1013, 0.3109, 0.3520



32.0605, 0.2991, 0.5966



2.3735, 0.2964, 0.5870

Inverse Universe

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



22.3153, 0.3330, 0.1641



27.6542, 0.3347, 0.1617



18.4854, 0.4947, 0.2561



14.6016, 0.3146, 0.3070



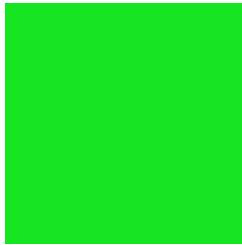
12.3966, 0.3344, 0.1616



0.9201, 0.3322, 0.1604

Previews

White Background



This preview shows how the Yxy color 56.3190, 0.2990, 0.5882 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 56.3190, 0.2990, 0.5882 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 56.3190, 0.2990, 0.5882

Background



This preview shows how black text looks on a background with the Yxy color 56.3190, 0.2990, 0.5882.



This preview shows how white text looks on a background with the Yxy color 56.3190, 0.2990, 0.5882.

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

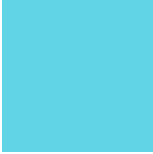
56.3190, 0.2990, 0.5882

Protanopia

54.9139, 0.4383, 0.4842

Deuteranopia

55.0161, 0.4580, 0.4473



Tritanopia

55.8431, 0.2360, 0.3065

Trichromacy



Original Color

56.3190, 0.2990, 0.5882



Protanomaly

51.5804, 0.3666, 0.5380



Deuteranomaly

50.4621, 0.3782, 0.5131



Tritanomaly

54.4337, 0.2627, 0.4203

Monochromacy



Original Color

56.3190, 0.2990, 0.5882



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

34.7595, 0.3038, 0.4537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.3190, 0.2990, 0.5882 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(22, 229, 33)` looks like.

```
.text, #text, p{  
    color:rgb(22, 229, 33)  
}
```

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(22, 229, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 229, 33) }
```

Border

The CSS property to change the border of an element to Yxy 56.3190, 0.2990, 0.5882 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(22, 229, 33) }
```

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

```
.border{ border-color:rgb(22, 229, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 229, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 229, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 229, 33);  
box-shadow:4px 4px 4px 4px rgb(22, 229,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 56.3190, 0.2990, 0.5882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 229, 33) }
```

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

```
.background{ background-color: rgb(22, 229,  
33) }
```

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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