

Converting Colors

$Y_{xy}(56.2473, 0.3010, 0.5291)$

Have a look what the booklet for
Yxy(56.2473, 0.3010, 0.5291)
contains.

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Color

Yxy(56.2716, 0.3012, 0.5296)

Conversions

Conversions Part 1

Format	Color
Hex	51E156
RGB	81, 225, 86
RGB Percent	32%, 88%, 34%
CMY	0.6820, 0.1177, 0.6627
CMYK	0.64, 0.00, 0.62, 0.12
HSL	122°, 71%, 60%
HSV	122°, 64%, 88%
XYZ	32.0034, 56.2716, 17.9780
YIQ	166.0980, -41.2050, -73.7570

Conversions

Conversions Part 2

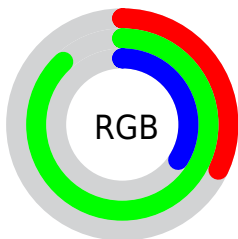
Format	Color
RYB	81, 220, 225
Decimal	5366102
CIELab	79.77, -64.95, 55.40
CIELCh	80, 85.362, 139.537
Yxy	56.2716, 0.3012, 0.5296
Android (android.graphics.Color)	4283556182 (0xFF51E156)
YUV	166.0980, -39.4883, -74.6309
Hunter-Lab	75.0144, -55.1217, 38.3006

Details

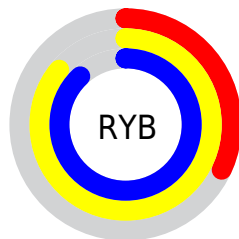
The Yxy color **56.2716, 0.3012, 0.5296** is a dark color, and the websafe version is hex **33CC33**. The color can be described as middle muted green. A complement of this color would be **27.0761, 0.3247, 0.1873**, and the grayscale version is **38.4044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4332, 0.3087, 0.4700**, and **28.0940, 0.2954, 0.5834** is the 20% darker color. If you saturate the color by 10%, you get **55.1394, 0.3001, 0.5584**, and if you desaturate by 10%, it is **57.8442, 0.3027, 0.4963**.

Distribution



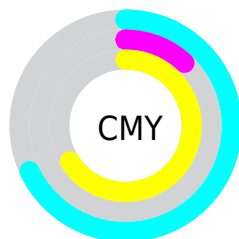
- Red (32%)
- Green (88%)
- Blue (34%)



- Red (32%)
- Yellow (86%)
- Blue (88%)



- Cyan (64%)
- Magenta (0%)
- Yellow (62%)
- Black (12%)





- Cyan (68%)
- Magenta (12%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2716, 0.3012, 0.5296 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 56.2716, 0.3012, 0.5296 by changing the saturation by 10% instead.

 56.2716, 0.3012,
0.5296

 56.2716, 0.3012,
0.5296


410.7142, 0.3134,
0.4249


 40.4207, 0.2960,
0.5560


 99.4016, 0.3072,
0.4911

 27.8667, 0.2880,
0.5894


 127.4495, 0.3090,
0.4768

 18.2252, 0.2754,
0.6325


 160.3318, 0.3103,
0.4647

 11.1118, 0.2544,
0.6885

 198.4330, 0.3113,
0.4543

 6.1421, 0.2229,
0.7771

242.1375, 0.3120,
0.4454

 2.9317, 0.1444,
0.8556

291.8296, 0.3126,

 1.0962, 0.0000,

0.4377

1.0000

347.8937, 0.3130,
0.4309

■ 0.0000, 0.0000,
0.0000

■ 56.2716, 0.3012,
0.5296

■ 56.2716, 0.3012,
0.5296

■ 55.1394, 0.3001,
0.5584

■ 57.8442, 0.3027,
0.4963

■ 54.3967, 0.2996,
0.5803

■ 59.8883, 0.3045,
0.4613


■ 53.9925, 0.2996,
0.5939


■ 62.4401, 0.3065,
0.4267


■ 53.8659, 0.2995,
0.5983

■ 65.5305, 0.3084,
0.3942

■ 69.1878, 0.3103,
0.3646

 73.4384, 0.3121,
0.3384

 78.3071, 0.3137,
0.3156

 82.3290, 0.3141,
0.2999

Harmonies

Analogous

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



56.2716, 0.4006, 0.5226



56.2716, 0.3012, 0.5296



56.2716, 0.2098, 0.4366

Triad

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



56.2716, 0.3012, 0.5296



56.2716, 0.1517, 0.1791



56.2716, 0.5008, 0.3089

Complementary

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



56.2716, 0.3012, 0.5296



27.0761, 0.3247, 0.1873

Split Complementary

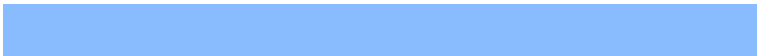
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



56.2716, 0.4058, 0.2450



56.2716, 0.3012, 0.5296



56.2716, 0.2023, 0.1741

Square

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



56.2716, 0.3012, 0.5296



56.2716, 0.1352, 0.2192



56.2716, 0.2908, 0.1974



56.2716, 0.5273, 0.3802

Rectangle

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



56.2716, 0.3012, 0.5296



56.2716, 0.1669, 0.3481



56.2716, 0.2908, 0.1974



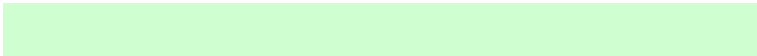
56.2716, 0.4751, 0.2865

Sweetspot

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



56.2739, 0.3012, 0.5296



89.2848, 0.3093, 0.3795



69.6913, 0.3975, 0.4777



18.8189, 0.3088, 0.3882



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.



56.2739, 0.3012, 0.5296



72.8250, 0.2999, 0.5671



58.0651, 0.2680, 0.4266



15.3448, 0.3111, 0.3524



31.0442, 0.2994, 0.5977



2.1545, 0.2975, 0.5910

Inverse Universe

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



27.0761, 0.3247, 0.1873



31.1475, 0.3269, 0.1704



24.0503, 0.4183, 0.2556



13.9271, 0.3143, 0.3067



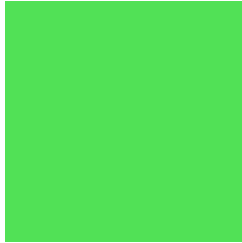
12.1243, 0.3296, 0.1589



0.8430, 0.3282, 0.1581

Previews

White Background



This preview shows how the Yxy color 56.2716, 0.3012, 0.5296 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 56.2716, 0.3012, 0.5296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

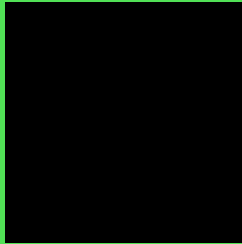
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2716, 0.3012, 0.5296

Background



This preview shows how black text looks on a background with the Yxy color 56.2716, 0.3012, 0.5296.



This preview shows how white text looks on a background with the Yxy color 56.2716, 0.3012, 0.5296.

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

56.2716, 0.3012, 0.5296

Protanopia

55.0900, 0.4173, 0.4568

Deuteranopia

55.1045, 0.4314, 0.4229



Tritanopia

55.9719, 0.2446, 0.3068

Trichromacy



Original Color

56.2716, 0.3012, 0.5296



Protanomaly

53.6547, 0.3656, 0.4885



Deuteranomaly

52.6309, 0.3741, 0.4645



Tritanomaly

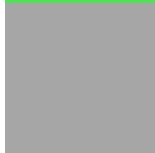
55.1894, 0.2664, 0.3859

Monochromacy



Original Color

56.2716, 0.3012, 0.5296



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

42.4977, 0.3076, 0.4050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2716, 0.3012, 0.5296 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(81, 225, 86)` looks like.

```
.text, #text, p{  
    color:rgb(81, 225, 86)  
}
```

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(81, 225, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 225, 86) }
```

Border

The CSS property to change the border of an element to Yxy 56.2716, 0.3012, 0.5296 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(81, 225, 86) }
```

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

```
.border{ border-color:rgb(81, 225, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 225, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 225, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 225, 86);  
box-shadow:4px 4px 4px 4px rgb(81, 225,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2716, 0.3012, 0.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 225, 86) }
```

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

```
.background{ background-color: rgb(81, 225,  
86) }
```

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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