

Converting Colors

Yxy(56.3309, 0.2943, 0.5202)

Have a look what the booklet for
Yxy(56.3309, 0.2943, 0.5202)
contains.

Yxy(56.0931, 0.2944, 0.5203)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(56.0931, 0.2944, 0.5203)

Conversions

Conversions Part 1

Format	Color
Hex	49E15F
RGB	73, 225, 95
RGB Percent	29%, 88%, 37%
CMY	0.7136, 0.1176, 0.6275
CMYK	0.68, 0.00, 0.58, 0.12
HSL	129°, 72%, 58%
HSV	129°, 68%, 88%
XYZ	31.7390, 56.0931, 19.9770
YIQ	164.7320, -48.8620, -72.6540

Conversions

Conversions Part 2

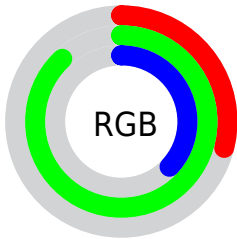
Format	Color
RYB	73, 206, 225
Decimal	4841823
CIELab	79.67, -65.47, 51.30
CIELCh	80, 83.172, 141.921
Yxy	56.0931, 0.2944, 0.5203
Android (android.graphics.Color)	4283031903 (0xFF49E15F)
YUV	164.7320, -34.3779, -80.4490
Hunter-Lab	74.8953, -55.4224, 36.6121

Details

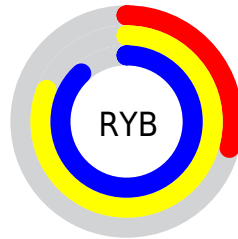
The Yxy color **56.0931, 0.2944, 0.5203** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **25.0895, 0.3445, 0.1955**, and the grayscale version is **37.6802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1789, 0.3014, 0.4604**, and **28.1654, 0.2919, 0.5708** is the 20% darker color. If you saturate the color by 10%, you get **55.0617, 0.2942, 0.5480**, and if you desaturate by 10%, it is **57.5333, 0.2956, 0.4894**.

Distribution



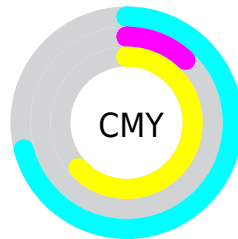
- Red (29%)
- Green (88%)
- Blue (37%)



- Red (29%)
- Yellow (81%)
- Blue (88%)



- Cyan (68%)
- Magenta (0%)
- Yellow (58%)
- Black (12%)





- Cyan (71%)
- Magenta (12%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.0931, 0.2944, 0.5203 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 56.0931, 0.2944, 0.5203 by changing the saturation by 10% instead.


 56.0931, 0.2944,
0.5203


 56.0931, 0.2944,
0.5203


410.0423, 0.3091,
0.4201


 40.2776, 0.2889,
0.5458


 99.1407, 0.3011,
0.4833


 27.7550, 0.2808,
0.5785


 127.1415, 0.3032,
0.4695

 18.1411, 0.2682,
0.6212


 159.9729, 0.3048,
0.4579

 11.0513, 0.2477,
0.6778

 198.0193, 0.3061,
0.4481

 6.1014, 0.2203,
0.7797

241.6650, 0.3071,
0.4396

 2.9068, 0.1395,
0.8605

291.2945, 0.3079,

 1.0833, 0.0000,

0.4322

1.0000

347.2921, 0.3085,
0.4258

■ 0.0000, 0.0000,
0.0000

■ 56.0931, 0.2944,
0.5203

■ 56.0931, 0.2944,
0.5203

■ 55.0617, 0.2942,
0.5480

■ 57.5333, 0.2956,
0.4894

■ 54.3896, 0.2951,
0.5705

■ 59.4121, 0.2977,
0.4575


■ 54.0228, 0.2967,
0.5865

■ 61.7642, 0.3005,
0.4261

■ 53.9592, 0.2971,
0.5895


■ 64.6189, 0.3036,
0.3965

■ 68.0033, 0.3069,
0.3695

 71.9424, 0.3102,
0.3453

 76.4597, 0.3135,
0.3240

 81.5772, 0.3166,
0.3055

 82.3321, 0.3141,
0.2999

Harmonies

Analogous

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



56.0931, 0.3923, 0.5220



56.0931, 0.2944, 0.5203



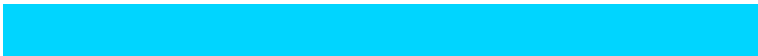
56.0931, 0.2064, 0.4236

Triad

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



56.0931, 0.2944, 0.5203



56.0931, 0.1574, 0.1805



56.0931, 0.5012, 0.3152

Complementary

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



56.0931, 0.2944, 0.5203



25.0895, 0.3445, 0.1955

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.



56.0931, 0.4125, 0.2514



56.0931, 0.2944, 0.5203



56.0931, 0.2101, 0.1778

Square

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



56.0931, 0.2944, 0.5203



56.0931, 0.1385, 0.2171



56.0931, 0.2998, 0.2027



56.0931, 0.5217, 0.3861

Rectangle

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



56.0931, 0.2944, 0.5203



56.0931, 0.1662, 0.3382



56.0931, 0.2998, 0.2027



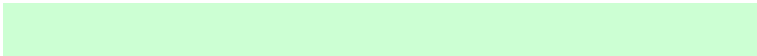
56.0931, 0.4778, 0.2929

Sweetspot

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



56.0954, 0.2944, 0.5203



89.0792, 0.3060, 0.3762



67.2755, 0.3886, 0.4911



18.7900, 0.3051, 0.3838



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.



56.0954, 0.2944, 0.5203



72.7138, 0.2944, 0.5577



58.1444, 0.2597, 0.4096



15.3694, 0.3096, 0.3497



31.1031, 0.2966, 0.5877



2.1662, 0.2900, 0.5640

Inverse Universe

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



25.0895, 0.3445, 0.1955



28.8551, 0.3523, 0.1818



22.3543, 0.4517, 0.2701



13.8998, 0.3160, 0.3092



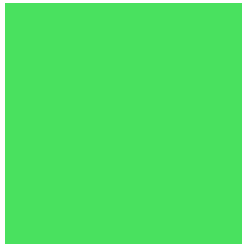
11.4430, 0.3610, 0.1762



0.8026, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 56.0931, 0.2944, 0.5203 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 56.0931, 0.2944, 0.5203 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 56.0931, 0.2944, 0.5203

Background



This preview shows how black text looks on a background with the Yxy color 56.0931, 0.2944, 0.5203.

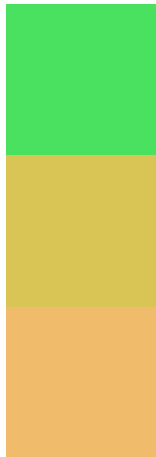


This preview shows how white text looks on a background with the Yxy color 56.0931, 0.2944, 0.5203.

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

56.0931, 0.2944, 0.5203

Protanopia

54.9035, 0.4111, 0.4511

Deuteranopia

55.1065, 0.4243, 0.4152



Tritanopia

55.6347, 0.2424, 0.3066

Trichromacy



Original Color

56.0931, 0.2944, 0.5203



Protanomaly

53.3462, 0.3582, 0.4822



Deuteranomaly

52.3163, 0.3652, 0.4563



Tritanomaly

55.0037, 0.2616, 0.3803

Monochromacy



Original Color

56.0931, 0.2944, 0.5203



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

42.3396, 0.3031, 0.4007

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0931, 0.2944, 0.5203 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(73, 225, 95)` looks like.

```
.text, #text, p{  
    color:rgb(73, 225, 95)  
}
```

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(73, 225, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 225, 95) }
```

Border

The CSS property to change the border of an element to Yxy 56.0931, 0.2944, 0.5203 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(73, 225, 95) }
```

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

```
.border{ border-color:rgb(73, 225, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 225, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 225, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 225, 95);  
box-shadow:4px 4px 4px 4px rgb(73, 225,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0931, 0.2944, 0.5203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 225, 95) }
```

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

```
.background{ background-color: rgb(73, 225,  
95) }
```

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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