

Converting Colors

$Y_{xy}(29.9432, 0.2855, 0.4957)$

Have a look what the booklet for
Yxy(29.9432, 0.2855, 0.4957)
contains.

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Color

Yxy(30.0934, 0.2856, 0.4956)

Conversions

Conversions Part 1

Format	Color
Hex	33AA54
RGB	51, 170, 84
RGB Percent	20%, 67%, 33%
CMY	0.7999, 0.3333, 0.6705
CMYK	0.70, 0.00, 0.51, 0.33
HSL	137°, 54%, 43%
HSV	137°, 70%, 67%
XYZ	17.3420, 30.0934, 13.2858
YIQ	124.6150, -43.3180, -51.9740

Conversions

Conversions Part 2

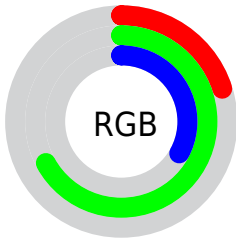
Format	Color
RYB	51, 144, 170
Decimal	3385940
CIELab	61.73, -51.47, 34.83
CIELCh	62, 62.149, 145.918
Yxy	30.0934, 0.2856, 0.4956
Android (android.graphics.Color)	4281576020 (0xFF33AA54)
YUV	124.6150, -20.0232, -64.5604
Hunter-Lab	54.8575, -39.5717, 24.0409

Details

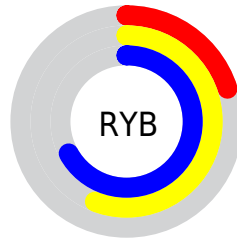
The Yxy color **30.0934, 0.2856, 0.4956** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **12.7231, 0.3716, 0.2122**, and the grayscale version is **20.4556, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6527, 0.2942, 0.4573**, and **12.6121, 0.2867, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **29.5546, 0.2857, 0.5214**, and if you desaturate by 10%, it is **30.8299, 0.2870, 0.4685**.

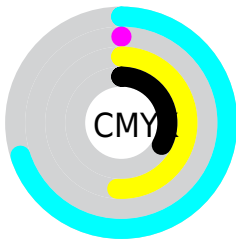
Distribution



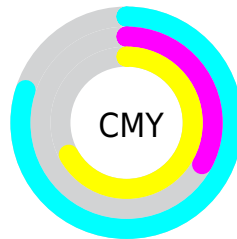
- Red (20%)
- Green (67%)
- Blue (33%)



- Red (20%)
- Yellow (56%)
- Blue (67%)



- Cyan (70%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)




- Cyan (80%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0934, 0.2856, 0.4956 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 30.0934, 0.2856, 0.4956 by changing the saturation by 10% instead.


 30.0934, 0.2856,
0.4956


 30.0934, 0.2856,
0.4956


302.3396, 0.3043,
0.3996


 19.9095, 0.2785,
0.5242


 59.8099, 0.2940,
0.4573


 12.3293, 0.2674,
0.5639


 80.1112, 0.2967,
0.4440

 6.9683, 0.2489,
0.6212


 104.5538, 0.2987,
0.4332

 3.4423, 0.2236,
0.7368

 133.5220, 0.3003,
0.4241

 1.3668, 0.0000,
1.0000

 167.4004, 0.3016,
0.4166

 0.1920, 0.0000,
1.0000

206.5731, 0.3027,

 0.0000, 0.0000,

0.4101

0.0000

251.4247, 0.3036,
0.4045

■ 30.0934, 0.2856,
0.4956

■ 30.0934, 0.2856,
0.4956

■ 29.5546, 0.2857,
0.5214

■ 30.8299, 0.2870,
0.4685

■ 29.1895, 0.2874,
0.5444

■ 31.7778, 0.2896,
0.4412

■ 28.9563, 0.2900,
0.5638

■ 32.9538, 0.2933,
0.4148

■ 28.9559, 0.2900,
0.5638

■ 34.3719, 0.2977,
0.3901

■ 36.0449, 0.3026,
0.3675

■ 37.9847, 0.3076,
0.3471

■ 40.2025, 0.3127,
0.3290

■ 42.7088, 0.3177,
0.3130

■ 45.5135, 0.3226,
0.2991

Harmonies

Analogous

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



30.0934, 0.3776, 0.5120



30.0934, 0.2856, 0.4956



30.0934, 0.2059, 0.4002

Triad

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



30.0934, 0.2856, 0.4956



30.0934, 0.1717, 0.1880



30.0934, 0.4931, 0.3266

Complementary

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



30.0934, 0.2856, 0.4956



12.7231, 0.3716, 0.2122

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.



30.0934, 0.4182, 0.2644



30.0934, 0.2856, 0.4956



30.0934, 0.2266, 0.1887

Square

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



30.0934, 0.2856, 0.4956



30.0934, 0.1496, 0.2188



30.0934, 0.3147, 0.2157



30.0934, 0.5048, 0.3948

Rectangle

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



30.0934, 0.2856, 0.4956



30.0934, 0.1708, 0.3240



30.0934, 0.3147, 0.2157



30.0934, 0.4743, 0.3050

Sweetspot

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



30.0946, 0.2856, 0.4956



64.9457, 0.3019, 0.3705



34.4157, 0.3731, 0.5035



14.2957, 0.3006, 0.3764



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.0946, 0.2856, 0.4956



53.2198, 0.2864, 0.5345



31.4145, 0.2495, 0.3798



8.4407, 0.3080, 0.3457



21.3086, 0.2894, 0.5620



0.5269, 0.2709, 0.4952

Inverse Universe

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



12.7231, 0.3716, 0.2122



19.6464, 0.3893, 0.2015



11.4781, 0.4889, 0.2928



7.6306, 0.3178, 0.3128



7.3458, 0.4044, 0.2001



0.1867, 0.3714, 0.1820

Previews

White Background



This preview shows how the Yxy color 30.0934, 0.2856, 0.4956 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 30.0934, 0.2856, 0.4956 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 30.0934, 0.2856, 0.4956

Background



This preview shows how black text looks on a background with the Yxy color 30.0934, 0.2856, 0.4956.



This preview shows how white text looks on a background with the Yxy color 30.0934, 0.2856, 0.4956.

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

30.0934, 0.2856, 0.4956

Protanopia

29.4881, 0.3994, 0.4363

Deuteranopia

29.3888, 0.4089, 0.4005



Tritanopia

29.8642, 0.2406, 0.3068

Trichromacy



Original Color

30.0934, 0.2856, 0.4956



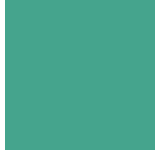
Protanomaly

28.4790, 0.3463, 0.4625



Deuteranomaly

28.0666, 0.3515, 0.4383



Tritanomaly

29.7392, 0.2563, 0.3711

Monochromacy



Original Color

30.0934, 0.2856, 0.4956



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.7722, 0.2976, 0.3901

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0934, 0.2856, 0.4956 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(51, 170, 84)` looks like.

```
.text, #text, p{  
    color:rgb(51, 170, 84)  
}
```

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(51, 170, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 170, 84) }
```

Border

The CSS property to change the border of an element to Yxy 30.0934, 0.2856, 0.4956 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(51, 170, 84) }
```

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

```
.border{ border-color:rgb(51, 170, 84) }
```

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

Here you see how a box with a 4 pixel rgb(51, 170, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 170, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 170, 84);  
box-shadow:4px 4px 4px 4px rgb(51, 170,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0934, 0.2856, 0.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 170, 84) }
```

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

```
.background{ background-color: rgb(51, 170,  
84) }
```

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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