

Converting Colors

$Y_{xy}(36.2829, 0.2850, 0.4959)$

Have a look what the booklet for
Yxy(36.2829, 0.2850, 0.4959)
contains.

Yxy(36.2829, 0.2850, 0.4959)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.2829, 0.2850, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	37B95C
RGB	55, 185, 92
RGB Percent	22%, 73%, 36%
CMY	0.7847, 0.2745, 0.6392
CMYK	0.70, 0.00, 0.50, 0.27
HSL	137°, 54%, 47%
HSV	137°, 70%, 73%
XYZ	20.8522, 36.2829, 16.0306
YIQ	135.5280, -47.6270, -56.4830

Conversions

Conversions Part 2

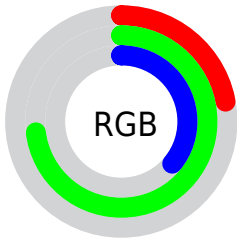
Format	Color
RYB	55, 156, 185
Decimal	3651932
CIELab	66.74, -55.06, 37.04
CIElCh	67, 66.358, 146.069
Yxy	36.2829, 0.2850, 0.4959
Android (android.graphics.Color)	4281842012 (0xFF37B95C)
YUV	135.5280, -21.4593, -70.6231
Hunter-Lab	60.2353, -43.6187, 26.3857

Details

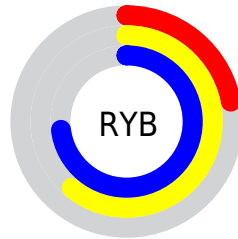
The Yxy color **36.2829, 0.2850, 0.4959** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **15.1732, 0.3742, 0.2126**, and the grayscale version is **24.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3694, 0.2930, 0.4592**, and **16.4070, 0.2854, 0.5476** is the 20% darker color. If you saturate the color by 10%, you get **35.6458, 0.2852, 0.5215**, and if you desaturate by 10%, it is **37.1590, 0.2863, 0.4689**.

Distribution



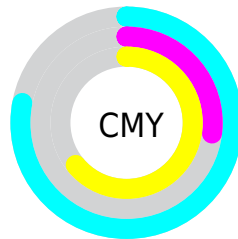
- Red (22%)
- Green (73%)
- Blue (36%)



- Red (22%)
- Yellow (61%)
- Blue (73%)



- Cyan (70%)
- Magenta (0%)
- Yellow (50%)
- Black (27%)




- Cyan (78%)
- Magenta (27%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.2829, 0.2850, 0.4959 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 36.2829, 0.2850, 0.4959 by changing the saturation by 10% instead.


 36.2829, 0.2850,
0.4959


 36.2829, 0.2850,
0.4959


330.1954, 0.3037,
0.4023

 24.6528, 0.2783,
0.5226


 69.4685, 0.2932,
0.4594


 15.8185, 0.2683,
0.5588


 91.7927, 0.2958,
0.4464

 9.3958, 0.2522,
0.6097

 118.4505, 0.2979,
0.4358

 5.0003, 0.2253,
0.6877

 149.8261, 0.2995,
0.4269

 2.2474, 0.1565,
0.8435

 186.3040, 0.3008,
0.4193

 0.7457, 0.0000,
1.0000

228.2686, 0.3019,

 0.0000, 0.0000,

0.4128

0.0000

276.1042, 0.3029,
0.4072

■ 36.2829, 0.2850,
0.4959

■ 36.2829, 0.2850,
0.4959

■ 35.6458, 0.2852,
0.5215

■ 37.1590, 0.2863,
0.4689

■ 35.2180, 0.2870,
0.5444

■ 38.2912, 0.2890,
0.4417

■ 34.9571, 0.2897,
0.5631

■ 39.7002, 0.2927,
0.4154

■ 41.4030, 0.2972,
0.3907

■ 43.4156, 0.3021,
0.3680

■ 45.7526, 0.3073,
0.3477

■ 48.4276, 0.3125,
0.3296

■ 51.4536, 0.3177,
0.3136

■ 54.8427, 0.3227,
0.2997

Harmonies

Analogous

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



36.2829, 0.3772, 0.5126



36.2829, 0.2850, 0.4959



36.2829, 0.2052, 0.3998

Triad

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



36.2829, 0.2850, 0.4959



36.2829, 0.1715, 0.1876



36.2829, 0.4939, 0.3269

Complementary

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



36.2829, 0.2850, 0.4959



15.1732, 0.3742, 0.2126

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.



36.2829, 0.4190, 0.2645



36.2829, 0.2850, 0.4959



36.2829, 0.2267, 0.1884

Square

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



36.2829, 0.2850, 0.4959



36.2829, 0.1493, 0.2182



36.2829, 0.3152, 0.2156



36.2829, 0.5052, 0.3952

Rectangle

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



36.2829, 0.2850, 0.4959



36.2829, 0.1702, 0.3234



36.2829, 0.3152, 0.2156



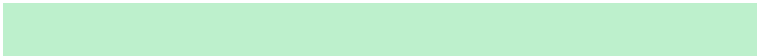
36.2829, 0.4751, 0.3052

Sweetspot

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



36.2844, 0.2850, 0.4959



77.3552, 0.3016, 0.3702



41.2865, 0.3713, 0.5063



16.4550, 0.3002, 0.3763



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.2844, 0.2850, 0.4959



63.4029, 0.2860, 0.5335



37.9397, 0.2480, 0.3766



10.1011, 0.3078, 0.3458



23.8108, 0.2891, 0.5609



0.8504, 0.2739, 0.5061

Inverse Universe

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



15.1732, 0.3742, 0.2126



23.2703, 0.3921, 0.2027



13.6641, 0.4961, 0.2956



9.1179, 0.3180, 0.3128



8.1749, 0.4077, 0.2020



0.2983, 0.3806, 0.1870

Previews

White Background



This preview shows how the Yxy color 36.2829, 0.2850, 0.4959 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 36.2829, 0.2850, 0.4959 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 36.2829, 0.2850, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 36.2829, 0.2850, 0.4959.



This preview shows how white text looks on a background with the Yxy color 36.2829, 0.2850, 0.4959.

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

36.2829, 0.2850, 0.4959

Protanopia

35.5948, 0.3997, 0.4350

Deuteranopia

35.6334, 0.4085, 0.4003



Tritanopia

35.9725, 0.2398, 0.3053

Trichromacy



Original Color

36.2829, 0.2850, 0.4959



Protanomaly

34.4241, 0.3459, 0.4621



Deuteranomaly

33.7026, 0.3512, 0.4365



Tritanomaly

35.6697, 0.2555, 0.3697

Monochromacy



Original Color

36.2829, 0.2850, 0.4959



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.5931, 0.2976, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2829, 0.2850, 0.4959 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(55, 185, 92)` looks like.

```
.text, #text, p{  
    color:rgb(55, 185, 92)  
}
```

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(55, 185, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 185, 92) }
```

Border

The CSS property to change the border of an element to Yxy 36.2829, 0.2850, 0.4959 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(55, 185, 92) }
```

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

```
.border{ border-color:rgb(55, 185, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 185, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 185, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 185, 92);  
box-shadow:4px 4px 4px 4px rgb(55, 185,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2829, 0.2850, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 185, 92) }
```

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

```
.background{ background-color: rgb(55, 185,  
92) }
```

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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