

Converting Colors

$Yxy(33.6483, 0.3009, 0.5667)$

Have a look what the booklet for
Yxy(33.6483, 0.3009, 0.5667)
contains.

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Color

Yxy(33.6936, 0.3008, 0.5671)

Conversions

Conversions Part 1

Format	Color
Hex	29B52B
RGB	41, 181, 43
RGB Percent	16%, 71%, 17%
CMY	0.8396, 0.2902, 0.8313
CMYK	0.77, 0.00, 0.76, 0.29
HSL	121°, 63%, 44%
HSV	121°, 77%, 71%
XYZ	17.8717, 33.6936, 7.8486
YIQ	123.4080, -39.1420, -72.5980

Conversions

Conversions Part 2

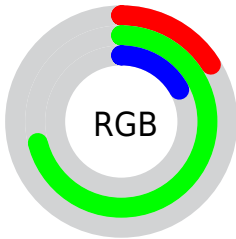
Format	Color
RYB	41, 179, 181
Decimal	2733355
CIELab	64.72, -61.48, 55.93
CIELCh	65, 83.115, 137.703
Yxy	33.6936, 0.3008, 0.5671
Android (android.graphics.Color)	4280923435 (0xFF29B52B)
YUV	123.4080, -39.6411, -72.2718
Hunter-Lab	58.0462, -46.6229, 32.6156

Details

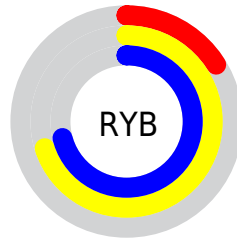
The Yxy color **33.6936, 0.3008, 0.5671** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **14.6540, 0.3231, 0.1693**, and the grayscale version is **20.0848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4104, 0.3101, 0.5156**, and **15.1787, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.3019, 0.3001, 0.5862**, and if you desaturate by 10%, it is **34.3162, 0.3019, 0.5405**.

Distribution



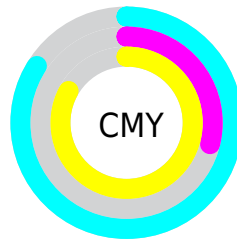
- Red (16%)
- Green (71%)
- Blue (17%)



- Red (16%)
- Yellow (70%)
- Blue (71%)



- Cyan (77%)
- Magenta (0%)
- Yellow (76%)
- Black (29%)





- Cyan (84%)
- Magenta (29%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6936, 0.3008, 0.5671 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 33.6936, 0.3008, 0.5671 by changing the saturation by 10% instead.


 33.6936, 0.3008,
0.5671


 33.6936, 0.3008,
0.5671

318.7637, 0.3167,
0.4329


 22.6583, 0.2920,
0.6038


 65.4569, 0.3098,
0.5154


 14.3414, 0.2772,
0.6512


 86.9537, 0.3122,
0.4967


 8.3585, 0.2547,
0.7216


 112.7065, 0.3137,
0.4813

 4.3252, 0.2068,
0.7932

 143.0996, 0.3148,
0.4684

 1.8571, 0.0252,
0.9748

 178.5175, 0.3156,
0.4575

 0.5224, 0.0000,
1.0000

 219.3446, 0.3161,

 0.0000, 0.0000,

0.4481

0.0000

265.9651, 0.3164,
0.4400

■ 33.6936, 0.3008,
0.5671

■ 33.6936, 0.3008,
0.5671

■ 33.3019, 0.3001,
0.5862

■ 34.3162, 0.3019,
0.5405

■ 33.0975, 0.2998,
0.5969

■ 35.1929, 0.3033,
0.5085

■ 33.0570, 0.2997,
0.5990

■ 36.3487, 0.3050,
0.4738

■ 37.8044, 0.3068,
0.4388

■ 39.5790, 0.3085,
0.4054

■ 41.6898, 0.3102,
0.3746

■ 44.1529, 0.3117,
0.3472

■ 46.9834, 0.3131,
0.3231

■ 50.1954, 0.3143,
0.3021

Harmonies

Analogous

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



33.6936, 0.4108, 0.5419



33.6936, 0.3008, 0.5671



33.6936, 0.1990, 0.4647

Triad

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



33.6936, 0.3008, 0.5671



33.6936, 0.1324, 0.1630



33.6936, 0.5241, 0.2981

Complementary

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



33.6936, 0.3008, 0.5671



14.6540, 0.3231, 0.1693

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.



33.6936, 0.4107, 0.2303



33.6936, 0.3008, 0.5671



33.6936, 0.1839, 0.1568

Square

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



33.6936, 0.3008, 0.5671



33.6936, 0.1164, 0.2073



33.6936, 0.2791, 0.1802



33.6936, 0.5555, 0.3737

Rectangle

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



33.6936, 0.3008, 0.5671



33.6936, 0.1512, 0.3579



33.6936, 0.2791, 0.1802



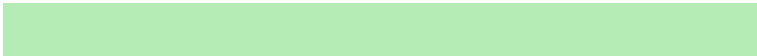
33.6936, 0.4932, 0.2743

Sweetspot

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



33.6950, 0.3008, 0.5671



72.3234, 0.3092, 0.3926



43.0352, 0.4111, 0.4917



15.3537, 0.3086, 0.4039



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.6950, 0.3008, 0.5671



59.3513, 0.2999, 0.5946



34.6671, 0.2685, 0.4585



9.4921, 0.3114, 0.3522



22.7875, 0.2997, 0.5988



0.7177, 0.2983, 0.5937

Inverse Universe

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



14.6540, 0.3231, 0.1693



23.7638, 0.3244, 0.1580



12.5505, 0.4409, 0.2436



8.6445, 0.3140, 0.3069



8.9965, 0.3247, 0.1562



0.2838, 0.3235, 0.1556

Previews

White Background



This preview shows how the Yxy color 33.6936, 0.3008, 0.5671 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 33.6936, 0.3008, 0.5671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

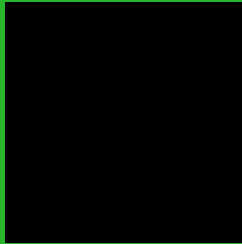
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6936, 0.3008, 0.5671

Background



This preview shows how black text looks on a background with the Yxy color 33.6936, 0.3008, 0.5671.



This preview shows how white text looks on a background with the Yxy color 33.6936, 0.3008, 0.5671.

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

33.6936, 0.3008, 0.5671

Protanopia

33.0245, 0.4304, 0.4753

Deuteranopia

32.9446, 0.4478, 0.4394



Tritanopia

33.5923, 0.2400, 0.3078

Trichromacy



Original Color

33.6936, 0.3008, 0.5671



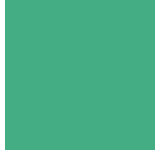
Protanomaly

31.4924, 0.3692, 0.5185



Deuteranomaly

30.7928, 0.3793, 0.4934



Tritanomaly

32.7548, 0.2650, 0.4052

Monochromacy



Original Color

33.6936, 0.3008, 0.5671



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

23.0818, 0.3070, 0.4293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6936, 0.3008, 0.5671 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(41, 181, 43)` looks like.

```
.text, #text, p{  
    color:rgb(41, 181, 43)  
}
```

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(41, 181, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 181, 43) }
```

Border

The CSS property to change the border of an element to Yxy 33.6936, 0.3008, 0.5671 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(41, 181, 43) }
```

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

```
.border{ border-color:rgb(41, 181, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 181, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 181, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 181, 43);  
box-shadow:4px 4px 4px 4px rgb(41, 181,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6936, 0.3008, 0.5671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 181, 43) }
```

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

```
.background{ background-color: rgb(41, 181,  
43) }
```

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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