

Converting Colors

$Y_{xy}(33.4879, 0.2936, 0.5565)$

Have a look what the booklet for
Yxy(33.4879, 0.2936, 0.5565)
contains.

Yxy(33.5901, 0.2937, 0.5565)	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(33.5901, 0.2937, 0.5565)

Conversions

Conversions Part 1

Format	Color
Hex	1EB536
RGB	30, 181, 54
RGB Percent	12%, 71%, 21%
CMY	0.8820, 0.2902, 0.7881
CMYK	0.83, 0.00, 0.70, 0.29
HSL	130°, 71%, 41%
HSV	130°, 83%, 71%
XYZ	17.7276, 33.5901, 9.0419
YIQ	121.3730, -49.2290, -71.5090

Conversions

Conversions Part 2

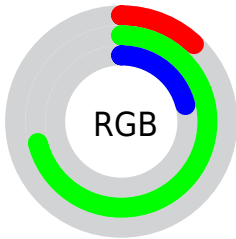
Format	Color
RYB	30, 160, 181
Decimal	2012470
CIELab	64.64, -61.89, 51.77
CIELCh	65, 80.690, 140.088
Yxy	33.5901, 0.2937, 0.5565
Android (android.graphics.Color)	4280202550 (0xFF1EB536)
YUV	121.3730, -33.2149, -80.1341
Hunter-Lab	57.9570, -46.8259, 31.3200

Details

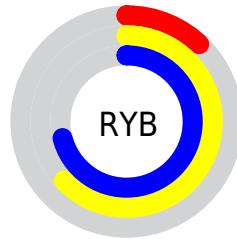
The Yxy color **33.5901, 0.2937, 0.5565** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **13.1938, 0.3561, 0.1834**, and the grayscale version is **19.3799, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.2139, 0.3034, 0.5067**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.2707, 0.2951, 0.5763**, and if you desaturate by 10%, it is **34.1134, 0.2933, 0.5313**.

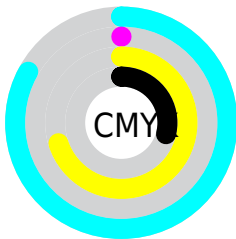
Distribution



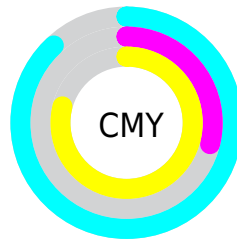
- Red (12%)
- Green (71%)
- Blue (21%)



- Red (12%)
- Yellow (63%)
- Blue (71%)



- Cyan (83%)
- Magenta (0%)
- Yellow (70%)
- Black (29%)





- Cyan (88%)
- Magenta (29%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5901, 0.2937, 0.5565 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 33.5901, 0.2937, 0.5565 by changing the saturation by 10% instead.


 33.5901, 0.2937,
0.5565


 33.5901, 0.2937,
0.5565


318.3004, 0.3121,
0.4275

 22.5789, 0.2848,
0.5926


 65.2957, 0.3032,
0.5063


 14.2829, 0.2704,
0.6400


 86.7589, 0.3059,
0.4884


 8.3177, 0.2468,
0.7061


 112.4749, 0.3078,
0.4737

 4.2989, 0.2045,
0.7955

 142.8281, 0.3092,
0.4613

 1.8421, 0.0156,
0.9844

 178.2028, 0.3102,
0.4509

 0.5132, 0.0000,
1.0000

 218.9835, 0.3110,

 0.0000, 0.0000,

0.4420

0.0000

265.5546, 0.3116,
0.4342

■ 33.5901, 0.2937,
0.5565

■ 33.5901, 0.2937,
0.5565

■ 33.2707, 0.2951,
0.5763

■ 34.1134, 0.2933,
0.5313

■ 33.1347, 0.2961,
0.5861

■ 34.8637, 0.2940,
0.5023

■ 35.8652, 0.2957,
0.4714

■ 37.1378, 0.2982,
0.4404

■ 38.6996, 0.3013,
0.4106

■ 40.5670, 0.3046,
0.3830

■ 42.7553, 0.3081,
0.3581

■ 45.2785, 0.3116,
0.3359

■ 48.1500, 0.3149,
0.3164

Harmonies

Analogous

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



33.5901, 0.4019, 0.5425



33.5901, 0.2937, 0.5565



33.5901, 0.1956, 0.4484

Triad

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



33.5901, 0.2937, 0.5565



33.5901, 0.1386, 0.1648



33.5901, 0.5242, 0.3052

Complementary

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



33.5901, 0.2937, 0.5565



13.1938, 0.3561, 0.1834

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.



33.5901, 0.4186, 0.2374



33.5901, 0.2937, 0.5565



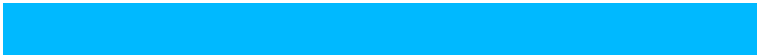
33.5901, 0.1926, 0.1610

Square

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



33.5901, 0.2937, 0.5565



33.5901, 0.1202, 0.2052



33.5901, 0.2895, 0.1863



33.5901, 0.5486, 0.3806

Rectangle

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



33.5901, 0.2937, 0.5565



33.5901, 0.1509, 0.3458



33.5901, 0.2895, 0.1863



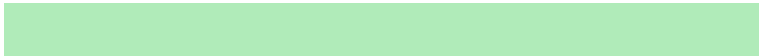
33.5901, 0.4962, 0.2815

Sweetspot

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



33.5915, 0.2937, 0.5565



71.9255, 0.3039, 0.3885



40.4477, 0.3926, 0.5134



15.2908, 0.3027, 0.3979



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.



33.5915, 0.2937, 0.5565



59.3227, 0.2967, 0.5880



34.8882, 0.2558, 0.4256



9.5113, 0.3095, 0.3487



22.8495, 0.2957, 0.5846



0.7257, 0.2835, 0.5406

Inverse Universe

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



13.1938, 0.3561, 0.1834



21.6436, 0.3663, 0.1792



11.3803, 0.5054, 0.2728



8.6231, 0.3161, 0.3101



8.3503, 0.3648, 0.1783



0.2689, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 33.5901, 0.2937, 0.5565 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 33.5901, 0.2937, 0.5565 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 33.5901, 0.2937, 0.5565

Background



This preview shows how black text looks on a background with the Yxy color 33.5901, 0.2937, 0.5565.



This preview shows how white text looks on a background with the Yxy color 33.5901, 0.2937, 0.5565.

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

33.5901, 0.2937, 0.5565

Protanopia

32.9808, 0.4246, 0.4690

Deuteranopia

32.9106, 0.4404, 0.4318



Tritanopia

33.4145, 0.2370, 0.3061

Trichromacy



Original Color

33.5901, 0.2937, 0.5565



Protanomaly

31.2781, 0.3602, 0.5109



Deuteranomaly

30.5577, 0.3691, 0.4846



Tritanomaly

32.6568, 0.2585, 0.3961

Monochromacy



Original Color

33.5901, 0.2937, 0.5565



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.5827, 0.2996, 0.4228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5901, 0.2937, 0.5565 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(30, 181, 54)` looks like.

```
.text, #text, p{  
    color:rgb(30, 181, 54)  
}
```

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(30, 181, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 181, 54) }
```

Border

The CSS property to change the border of an element to Yxy 33.5901, 0.2937, 0.5565 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(30, 181, 54) }
```

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

```
.border{ border-color:rgb(30, 181, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 181, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 181, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 181, 54);  
box-shadow:4px 4px 4px 4px rgb(30, 181,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5901, 0.2937, 0.5565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 181, 54) }
```

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

```
.background{ background-color: rgb(30, 181,  
54) }
```

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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