

Converting Colors

$Y_{xy}(35.4510, 0.3107, 0.5718)$

Have a look what the booklet for
Yxy(35.4510, 0.3107, 0.5718)
contains.

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Color

Yxy(35.2903, 0.3106, 0.5721)

Conversions

Conversions Part 1

Format	Color
Hex	3AB821
RGB	58, 184, 33
RGB Percent	23%, 72%, 13%
CMY	0.7725, 0.2784, 0.8708
CMYK	0.68, 0.00, 0.82, 0.28
HSL	110°, 70%, 43%
HSV	110°, 82%, 72%
XYZ	19.1595, 35.2903, 7.2357
YIQ	129.1120, -26.6250, -73.6730

Conversions

Conversions Part 2

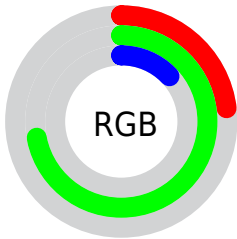
Format	Color
RYB	33, 184, 159
Decimal	3848225
CIELab	65.97, -60.17, 60.32
CIELCh	66, 85.201, 134.925
Yxy	35.2903, 0.3106, 0.5721
Android (android.graphics.Color)	4282038305 (0xFF3AB821)
YUV	129.1120, -47.3832, -62.3652
Hunter-Lab	59.4056, -46.3900, 34.3623

Details

The Yxy color **35.2903, 0.3106, 0.5721** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **11.9093, 0.2870, 0.1456**, and the grayscale version is **22.1699, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8943, 0.3185, 0.5203**, and **15.7005, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **34.8220, 0.3074, 0.5880**, and if you desaturate by 10%, it is **35.9549, 0.3133, 0.5489**.

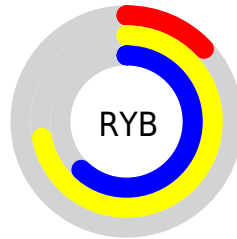
Distribution



Red (23%)

Green (72%)

Blue (13%)



Red (13%)

Yellow (72%)

Blue (62%)

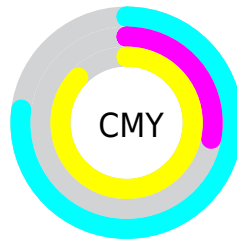


Cyan (68%)

Magenta (0%)

Yellow (82%)

Black (28%)



Cyan (77%)

Magenta (28%)

Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2903, 0.3106, 0.5721 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 35.2903, 0.3106, 0.5721 by changing the saturation by 10% instead.


 35.2903, 0.3106,
0.5721


 35.2903, 0.3106,
0.5721


325.8478, 0.3223,
0.4371

 23.8866, 0.3025,
0.6077


 67.9352, 0.3183,
0.5209

 15.2495, 0.2885,
0.6528


 89.9453, 0.3201,
0.5022

 8.9947, 0.2685,
0.7220


 116.2595, 0.3212,
0.4866


 4.7377, 0.2203,
0.7797

 147.2624, 0.3218,
0.4735

 2.0942, 0.0919,
0.9081

 183.3382, 0.3222,
0.4624

 0.6614, 0.0000,
1.0000

 224.8715, 0.3223,

 0.0000, 0.0000,

0.4528

0.0000

272.2466, 0.3224,
0.4444

■ 35.2903, 0.3106,
0.5721

■ 35.2903, 0.3106,
0.5721

■ 34.8220, 0.3074,
0.5880

■ 35.9549, 0.3133,
0.5489

■ 34.5667, 0.3050,
0.5960

■ 36.8306, 0.3152,
0.5199

■ 37.9354, 0.3163,
0.4873

■ 39.2844, 0.3166,
0.4534

■ 40.8912, 0.3163,
0.4201

■ 42.7685, 0.3155,
0.3887

■ 44.9281, 0.3144,
0.3599

■ 47.3811, 0.3130,
0.3340

■ 50.1379, 0.3115,
0.3112

Harmonies

Analogous

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



35.2903, 0.4208, 0.5367



35.2903, 0.3106, 0.5721



35.2903, 0.2061, 0.4803

Triad

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



35.2903, 0.3106, 0.5721



35.2903, 0.1284, 0.1641



35.2903, 0.5182, 0.2909

Complementary

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



35.2903, 0.3106, 0.5721



11.9093, 0.2870, 0.1456

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.



35.2903, 0.3987, 0.2239



35.2903, 0.3106, 0.5721



35.2903, 0.1765, 0.1549

Square

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



35.2903, 0.3106, 0.5721



35.2903, 0.1154, 0.2129



35.2903, 0.2679, 0.1759



35.2903, 0.5584, 0.3661

Rectangle

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



35.2903, 0.3106, 0.5721



35.2903, 0.1553, 0.3726



35.2903, 0.2679, 0.1759



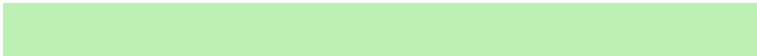
35.2903, 0.4846, 0.2673

Sweetspot

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



35.2918, 0.3106, 0.5721



76.3409, 0.3158, 0.3989



35.0368, 0.4384, 0.4739



16.2021, 0.3161, 0.4098



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.



35.2918, 0.3106, 0.5721



62.6365, 0.3047, 0.5958



35.2339, 0.2819, 0.5136



10.1298, 0.3140, 0.3524



23.8434, 0.3056, 0.5956



0.8629, 0.3209, 0.5834

Inverse Universe

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



11.9093, 0.2870, 0.1456



18.6487, 0.2790, 0.1313



12.9866, 0.4017, 0.2122



9.0853, 0.3112, 0.3063



7.1100, 0.2798, 0.1315



0.2709, 0.2911, 0.1377

Previews

White Background



This preview shows how the Yxy color 35.2903, 0.3106, 0.5721 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 35.2903, 0.3106, 0.5721 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 35.2903, 0.3106, 0.5721

Background



This preview shows how black text looks on a background with the Yxy color 35.2903, 0.3106, 0.5721.



This preview shows how white text looks on a background with the Yxy color 35.2903, 0.3106, 0.5721.

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

35.2903, 0.3106, 0.5721

Protanopia

34.4546, 0.4353, 0.4811

Deuteranopia

34.5056, 0.4540, 0.4451



Tritanopia

34.9558, 0.2442, 0.3067

Trichromacy



Original Color

35.2903, 0.3106, 0.5721



Protanomaly

33.2449, 0.3798, 0.5214



Deuteranomaly

32.6721, 0.3917, 0.4968



Tritanomaly

34.3678, 0.2729, 0.4102

Monochromacy



Original Color

35.2903, 0.3106, 0.5721



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.1866, 0.3164, 0.4340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2903, 0.3106, 0.5721 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(58, 184, 33)` looks like.

```
.text, #text, p{  
    color:rgb(58, 184, 33)  
}
```

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(58, 184, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 184, 33) }
```

Border

The CSS property to change the border of an element to Yxy 35.2903, 0.3106, 0.5721 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(58, 184, 33) }
```

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

```
.border{ border-color:rgb(58, 184, 33) }
```

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

Here you see how a box with a 4 pixel rgb(58, 184, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 184, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 184, 33);  
box-shadow:4px 4px 4px 4px rgb(58, 184,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2903, 0.3106, 0.5721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 184, 33) }
```

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

```
.background{ background-color: rgb(58, 184,  
33) }
```

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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