

Converting Colors

$Y_{xy}(33.7538, 0.3171, 0.5788)$

Have a look what the booklet for
Yxy(33.7538, 0.3171, 0.5788)
contains.

Yxy(33.7397, 0.3170, 0.5789)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7397, 0.3170, 0.5789)

Conversions

Conversions Part 1

Format	Color
Hex	3FB411
RGB	63, 180, 17
RGB Percent	25%, 71%, 7%
CMY	0.7527, 0.2941, 0.9335
CMYK	0.65, 0.00, 0.91, 0.29
HSL	103°, 83%, 39%
HSV	103°, 91%, 71%
XYZ	18.4755, 33.7397, 6.0672
YIQ	126.4350, -17.4090, -75.4970

Conversions

Conversions Part 2

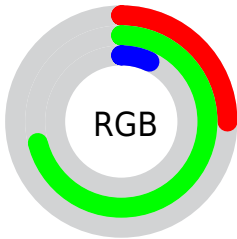
Format	Color
RYB	17, 180, 134
Decimal	4174865
CIELab	64.76, -58.45, 62.84
CIELCh	65, 85.820, 132.923
Yxy	33.7397, 0.3170, 0.5789
Android (android.graphics.Color)	4282364945 (0xFF3FB411)
YUV	126.4350, -53.9515, -55.6325
Hunter-Lab	58.0859, -44.8743, 34.4671

Details

The Yxy color **33.7397, 0.3170, 0.5789** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8.7548, 0.2574, 0.1235**, and the grayscale version is **21.2185, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6132, 0.3245, 0.5268**, and **14.9217, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **33.3429, 0.3128, 0.5898**, and if you desaturate by 10%, it is **34.2985, 0.3210, 0.5616**.

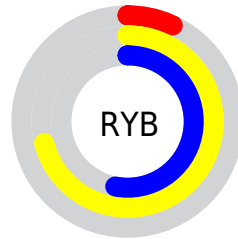
Distribution



Red (25%)

Green (71%)

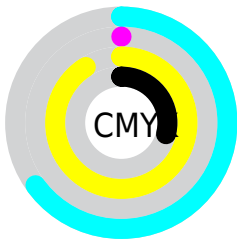
Blue (7%)



Red (7%)

Yellow (71%)

Blue (53%)

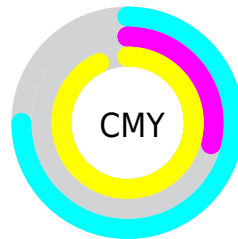


Cyan (65%)

Magenta (0%)

Yellow (91%)

Black (29%)



Cyan (75%)


Magenta (29%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7397, 0.3170, 0.5789 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 33.7397, 0.3170, 0.5789 by changing the saturation by 10% instead.


 33.7397, 0.3170,
0.5789


 33.7397, 0.3170,
0.5789


318.9698, 0.3265,
0.4403


 22.6937, 0.3087,
0.6149


 65.5287, 0.3244,
0.5266


 14.3675, 0.2940,
0.6599


 87.0404, 0.3259,
0.5073

 8.3767, 0.2722,
0.7278


 112.8096, 0.3267,
0.4913

 4.3369, 0.2202,
0.7798

 143.2205, 0.3270,
0.4778

 1.8638, 0.0633,
0.9367

 178.6576, 0.3271,
0.4663

 0.5265, 0.0000,
1.0000

 219.5053, 0.3270,

 0.0000, 0.0000,

0.4564

0.0000

266.1479, 0.3268,
0.4478

■ 33.7397, 0.3170,
0.5789

■ 33.7397, 0.3170,
0.5789

■ 33.3429, 0.3128,
0.5898

■ 34.2985, 0.3210,
0.5616

■ 35.0169, 0.3237,
0.5379

■ 35.9093, 0.3250,
0.5093

■ 36.9876, 0.3250,
0.4779

■ 38.2623, 0.3238,
0.4454

■ 39.7431, 0.3218,
0.4136

■ 41.4389, 0.3191,
0.3834

■ 43.3584, 0.3161,
0.3555

■ 45.5095, 0.3129,
0.3304

Harmonies

Analogous

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



33.7397, 0.4285, 0.5345



33.7397, 0.3170, 0.5789



33.7397, 0.2098, 0.4944

Triad

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



33.7397, 0.3170, 0.5789



33.7397, 0.1238, 0.1632



33.7397, 0.5165, 0.2848

Complementary

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



33.7397, 0.3170, 0.5789



8.7548, 0.2574, 0.1235

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.



33.7397, 0.3910, 0.2180



33.7397, 0.3170, 0.5789



33.7397, 0.1696, 0.1519

Square

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



33.7397, 0.3170, 0.5789



33.7397, 0.1127, 0.2156



33.7397, 0.2591, 0.1711



33.7397, 0.5632, 0.3602

Rectangle

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



33.7397, 0.3170, 0.5789



33.7397, 0.1565, 0.3843



33.7397, 0.2591, 0.1711



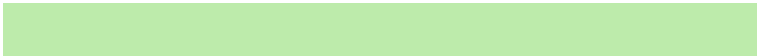
33.7397, 0.4805, 0.2612

Sweetspot

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



33.7411, 0.3170, 0.5789



72.9787, 0.3210, 0.4039



26.7401, 0.4695, 0.4578



15.5610, 0.3219, 0.4143



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.



33.7411, 0.3170, 0.5789



60.3581, 0.3118, 0.5906



33.0110, 0.2915, 0.5601



9.6026, 0.3157, 0.3522



23.3019, 0.3135, 0.5893



0.7634, 0.3359, 0.5715

Inverse Universe

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



8.7548, 0.2574, 0.1235



14.3280, 0.2493, 0.1147



12.1373, 0.3768, 0.1897



8.5236, 0.3094, 0.3062



5.5977, 0.2514, 0.1158



0.2038, 0.2717, 0.1270

Previews

White Background



This preview shows how the Yxy color 33.7397, 0.3170, 0.5789 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 33.7397, 0.3170, 0.5789 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 33.7397, 0.3170, 0.5789

Background



This preview shows how black text looks on a background with the Yxy color 33.7397, 0.3170, 0.5789.



This preview shows how white text looks on a background with the Yxy color 33.7397, 0.3170, 0.5789.

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

33.7397, 0.3170, 0.5789

Protanopia

33.0070, 0.4407, 0.4883

Deuteranopia

33.0757, 0.4590, 0.4498



Tritanopia

33.4065, 0.2465, 0.3064

Trichromacy



Original Color

33.7397, 0.3170, 0.5789



Protanomaly

32.0743, 0.3869, 0.5286



Deuteranomaly

31.5418, 0.3993, 0.5029



Tritanomaly

32.7245, 0.2800, 0.4209

Monochromacy



Original Color

33.7397, 0.3170, 0.5789



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

24.1132, 0.3238, 0.4449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7397, 0.3170, 0.5789 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(63, 180, 17)` looks like.

```
.text, #text, p{  
    color:rgb(63, 180, 17)  
}
```

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(63, 180, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 180, 17) }
```

Border

The CSS property to change the border of an element to Yxy 33.7397, 0.3170, 0.5789 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(63, 180, 17) }
```

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

```
.border{ border-color:rgb(63, 180, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 180, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 180, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 180, 17);  
box-shadow:4px 4px 4px 4px rgb(63, 180,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7397, 0.3170, 0.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 180, 17) }
```

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

```
.background{ background-color: rgb(63, 180,  
17) }
```

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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