

Converting Colors

$Yxy(33.6042, 0.3682, 0.5128)$

Have a look what the booklet for
Yxy(33.6042, 0.3682, 0.5128)
contains.

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Color

Yxy(33.7720, 0.3681, 0.5130)

Conversions

Conversions Part 1

Format	Color
Hex	83AA2E
RGB	131, 170, 46
RGB Percent	51%, 67%, 18%
CMY	0.4861, 0.3334, 0.8195
CMYK	0.23, 0.00, 0.73, 0.33
HSL	79°, 57%, 42%
HSV	79°, 73%, 67%
XYZ	24.2329, 33.7720, 7.8275
YIQ	144.2030, 16.5600, -46.8320

Conversions

Conversions Part 2

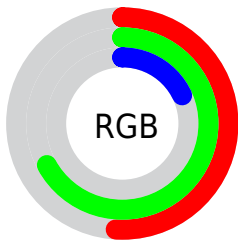
Format	Color
RYB	46, 170, 85
Decimal	8628782
CIELab	64.78, -31.15, 56.12
CIELCh	65, 64.181, 119.031
Yxy	33.7720, 0.3681, 0.5130
Android (android.graphics.Color)	4286818862 (0xFF83AA2E)
YUV	144.2030, -48.4141, -11.5790
Hunter-Lab	58.1137, -27.2660, 32.6937

Details

The Yxy color **33.7720, 0.3681, 0.5130** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.7873, 0.2084, 0.1181**, and the grayscale version is **28.1746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3353, 0.3626, 0.4765**, and **14.5346, 0.3616, 0.5510** is the 20% darker color. If you saturate the color by 10%, you get **33.2492, 0.3689, 0.5297**, and if you desaturate by 10%, it is **34.3729, 0.3648, 0.4921**.

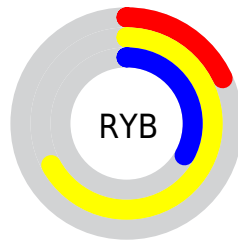
Distribution



Red (51%)

Green (67%)

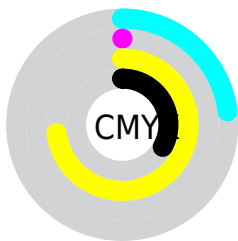
Blue (18%)



Red (18%)

Yellow (67%)

Blue (33%)

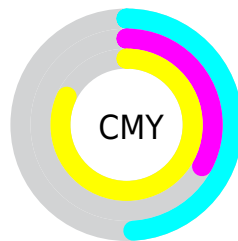


Cyan (23%)

Magenta (0%)

Yellow (73%)

Black (33%)



Cyan (49%)

Magenta (33%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7720, 0.3681, 0.5130 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 33.7720, 0.3681, 0.5130 by changing the saturation by 10% instead.


 33.7720, 0.3681,
0.5130


 33.7720, 0.3681,
0.5130


319.1142, 0.3461,
0.4145


 22.7185, 0.3700,
0.5377


 65.5790, 0.3624,
0.4766

 14.3858, 0.3696,
0.5684


 87.1012, 0.3595,
0.4630

 8.3895, 0.3675,
0.6128


 112.8818, 0.3567,
0.4516

 4.3452, 0.3462,
0.6538

 143.3052, 0.3542,
0.4419

 1.8685, 0.2985,
0.7015

 178.7557, 0.3519,
0.4336

 0.5293, 0.0000,
1.0000

 219.6178, 0.3498,

 0.0000, 0.0000,

0.4264

0.0000

266.2758, 0.3478,
0.4201

■ 33.7720, 0.3681,
0.5130

■ 33.7720, 0.3681,
0.5130

■ 33.2492, 0.3689,
0.5297

■ 34.3729, 0.3648,
0.4921

■ 32.7929, 0.3673,
0.5417

■ 35.0533, 0.3594,
0.4679

■ 32.5006, 0.3652,
0.5482

■ 35.8199, 0.3523,
0.4416

■ 36.6774, 0.3439,
0.4144

■ 37.6301, 0.3347,
0.3872

■ 38.6820, 0.3251,
0.3609

■ 39.8367, 0.3155,
0.3360

■ 41.0978, 0.3061,
0.3128

■ 42.4687, 0.2971,
0.2914

Harmonies

Analogous

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



33.7720, 0.4504, 0.4695



33.7720, 0.3681, 0.5130



33.7720, 0.2766, 0.4876

Triad

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



33.7720, 0.3681, 0.5130



33.7720, 0.1512, 0.2145



33.7720, 0.4275, 0.2708

Complementary

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



33.7720, 0.3681, 0.5130



6.7873, 0.2084, 0.1181

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.



33.7720, 0.3253, 0.2204



33.7720, 0.3681, 0.5130



33.7720, 0.1765, 0.1874

Square

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



33.7720, 0.3681, 0.5130



33.7720, 0.1578, 0.2812



33.7720, 0.2347, 0.1910



33.7720, 0.4964, 0.3336

Rectangle

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



33.7720, 0.3681, 0.5130



33.7720, 0.2223, 0.4257



33.7720, 0.2347, 0.1910



33.7720, 0.3947, 0.2521

Sweetspot

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



33.7735, 0.3681, 0.5130



68.3773, 0.3342, 0.3858



14.9616, 0.5102, 0.3783



15.1431, 0.3366, 0.3928



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.7735, 0.3681, 0.5130



59.7665, 0.3681, 0.5383



30.2774, 0.3159, 0.5481



8.6539, 0.3216, 0.3516



23.9400, 0.3658, 0.5477



0.6078, 0.3843, 0.5331

Inverse Universe

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



6.7873, 0.2084, 0.1181



8.1054, 0.1843, 0.0850



10.8952, 0.2853, 0.1558



7.4106, 0.3033, 0.3060



2.7268, 0.1735, 0.0730



0.0933, 0.2120, 0.0942

Previews

White Background



This preview shows how the Yxy color 33.7720, 0.3681, 0.5130 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 33.7720, 0.3681, 0.5130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

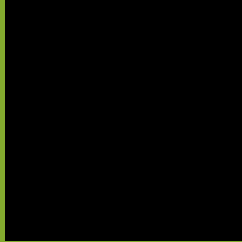
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7720, 0.3681, 0.5130

Background



This preview shows how black text looks on a background with the Yxy color 33.7720, 0.3681, 0.5130.



This preview shows how white text looks on a background with the Yxy color 33.7720, 0.3681, 0.5130.

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

33.7720, 0.3681, 0.5130

Protanopia

33.5185, 0.4277, 0.4716

Deuteranopia

33.4970, 0.4507, 0.4417



Tritanopia

33.7563, 0.2895, 0.3109

Trichromacy



Original Color

33.7720, 0.3681, 0.5130

Protanomaly

33.4961, 0.4054, 0.4872

Deuteranomaly

33.1236, 0.4193, 0.4682

Tritanomaly

33.2762, 0.3231, 0.3885

Monochromacy



Original Color

33.7720, 0.3681, 0.5130

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.3541, 0.3406, 0.4041

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7720, 0.3681, 0.5130 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(131, 170, 46)` looks like.

```
.text, #text, p{  
    color:rgb(131, 170, 46)  
}
```

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(131, 170, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 170, 46) }
```

Border

The CSS property to change the border of an element to Yxy 33.7720, 0.3681, 0.5130 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(131, 170, 46) }
```

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

```
.border{ border-color:rgb(131, 170, 46) }
```

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

Here you see how a box with a 4 pixel rgb(131, 170, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 170, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 170, 46);  
box-shadow:4px 4px 4px 4px rgb(131, 170,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7720, 0.3681, 0.5130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 170, 46) }
```

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

```
.background{ background-color: rgb(131,  
170, 46) }
```

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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