

Converting Colors

$Y_{xy}(37.2222, 0.2834, 0.5217)$

Have a look what the booklet for
Yxy(37.2222, 0.2834, 0.5217)
contains.

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Color

Yxy(37.2806, 0.2834, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	1FBD51
RGB	31, 189, 81
RGB Percent	12%, 74%, 32%
CMY	0.8785, 0.2588, 0.6823
CMYK	0.84, 0.00, 0.57, 0.26
HSL	139°, 72%, 43%
HSV	139°, 84%, 74%
XYZ	20.2478, 37.2806, 13.9177
YIQ	129.4460, -59.5000, -67.0840

Conversions

Conversions Part 2

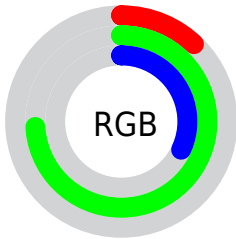
Format	Color
RYB	31, 151, 189
Decimal	2080081
CIELab	67.49, -61.24, 43.20
CIELCh	67, 74.941, 144.802
Yxy	37.2806, 0.2834, 0.5218
Android (android.graphics.Color)	4280270161 (0xFF1FBD51)
YUV	129.4460, -23.8839, -86.3371
Hunter-Lab	61.0578, -47.6575, 29.2257

Details

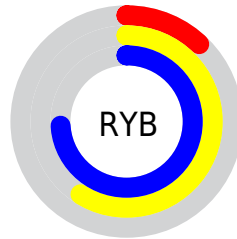
The Yxy color **37.2806, 0.2834, 0.5218** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **13.6603, 0.3992, 0.2087**, and the grayscale version is **22.2173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2792, 0.2928, 0.4804**, and **17.1389, 0.2926, 0.5733** is the 20% darker color. If you saturate the color by 10%, you get **36.8942, 0.2858, 0.5435**, and if you desaturate by 10%, it is **37.8787, 0.2826, 0.4974**.

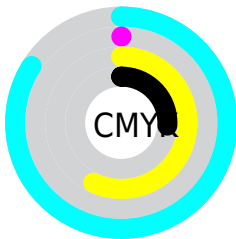
Distribution



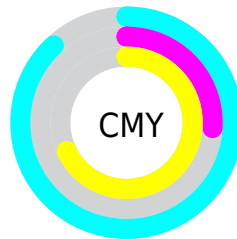
- Red (12%)
- Green (74%)
- Blue (32%)



- Red (12%)
- Yellow (59%)
- Blue (74%)



- Cyan (84%)
- Magenta (0%)
- Yellow (57%)
- Black (26%)




- Cyan (88%)
- Magenta (26%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2806, 0.2834, 0.5218 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 37.2806, 0.2834, 0.5218 by changing the saturation by 10% instead.


 37.2806, 0.2834,
0.5218


 37.2806, 0.2834,
0.5218


334.5238, 0.3043,
0.4136

 25.4248, 0.2755,
0.5523


 71.0041, 0.2928,
0.4798


 16.3938, 0.2636,
0.5931


 93.6407, 0.2958,
0.4648

 9.8033, 0.2444,
0.6493


 120.6396, 0.2980,
0.4525

 5.2687, 0.2156,
0.7431

 152.3853, 0.2998,
0.4421

 2.4058, 0.1254,
0.8746

 189.2622, 0.3013,
0.4334

 0.8289, 0.0000,
1.0000

231.6546, 0.3025,

 0.0000, 0.0000,

0.4259

0.0000

279.9470, 0.3034,
0.4194

■ 37.2806, 0.2834,
0.5218

■ 37.2806, 0.2834,
0.5218

■ 36.8942, 0.2858,
0.5435

■ 37.8787, 0.2826,
0.4974

■ 36.7216, 0.2877,
0.5558

■ 38.7121, 0.2836,
0.4715

■ 39.8059, 0.2860,
0.4452

■ 41.1808, 0.2896,
0.4197

■ 42.8552, 0.2942,
0.3955

■ 44.8459, 0.2994,
0.3732

■ 47.1686, 0.3050,
0.3530

■ 49.8378, 0.3107,
0.3350

■ 52.8673, 0.3163,
0.3191

Harmonies

Analogous

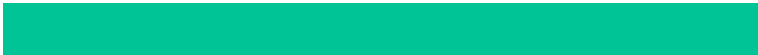
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.2806, 0.3839, 0.5313



37.2806, 0.2834, 0.5218



37.2806, 0.1960, 0.4140

Triad

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



37.2806, 0.2834, 0.5218



37.2806, 0.1572, 0.1751



37.2806, 0.5125, 0.3207

Complementary

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



37.2806, 0.2834, 0.5218



13.6603, 0.3992, 0.2087

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.



37.2806, 0.4264, 0.2549



37.2806, 0.2834, 0.5218



37.2806, 0.2144, 0.1755

Square

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



37.2806, 0.2834, 0.5218



37.2806, 0.1349, 0.2083



37.2806, 0.3098, 0.2034



37.2806, 0.5254, 0.3934

Rectangle

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



37.2806, 0.2834, 0.5218



37.2806, 0.1578, 0.3260



37.2806, 0.3098, 0.2034



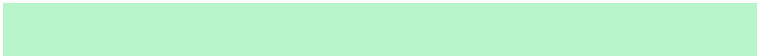
37.2806, 0.4908, 0.2978

Sweetspot

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



37.2821, 0.2834, 0.5218



79.6359, 0.2985, 0.3770



41.9811, 0.3685, 0.5319



16.8497, 0.2966, 0.3848



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.2821, 0.2834, 0.5218



65.7273, 0.2885, 0.5584



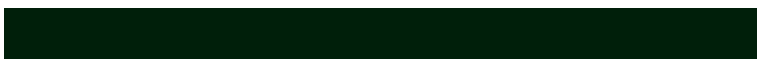
39.2268, 0.2418, 0.3777



10.6981, 0.3074, 0.3451



24.7188, 0.2871, 0.5535



0.9804, 0.2728, 0.5021

Inverse Universe

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



13.6603, 0.3992, 0.2087



22.1763, 0.4231, 0.2104



12.1234, 0.5594, 0.3043



9.6434, 0.3185, 0.3134



8.3625, 0.4195, 0.2085



0.3389, 0.3905, 0.1925

Previews

White Background



This preview shows how the Yxy color 37.2806, 0.2834, 0.5218 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 37.2806, 0.2834, 0.5218 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 37.2806, 0.2834, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 37.2806, 0.2834, 0.5218.



This preview shows how white text looks on a background with the Yxy color 37.2806, 0.2834, 0.5218.

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

37.2806, 0.2834, 0.5218

Protanopia

36.4992, 0.4095, 0.4481

Deuteranopia

36.3230, 0.4210, 0.4120



Tritanopia

36.9123, 0.2355, 0.3054

Trichromacy



Original Color

37.2806, 0.2834, 0.5218



Protanomaly

34.4625, 0.3458, 0.4833



Deuteranomaly

33.7288, 0.3521, 0.4564



Tritanomaly

36.3389, 0.2520, 0.3787

Monochromacy



Original Color

37.2806, 0.2834, 0.5218



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.6302, 0.2917, 0.4040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2806, 0.2834, 0.5218 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(31, 189, 81)` looks like.

```
.text, #text, p{  
    color:rgb(31, 189, 81)  
}
```

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(31, 189, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 189, 81) }
```

Border

The CSS property to change the border of an element to Yxy 37.2806, 0.2834, 0.5218 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(31, 189, 81) }
```

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

```
.border{ border-color:rgb(31, 189, 81) }
```

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

Here you see how a box with a 4 pixel rgb(31, 189, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 189, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 189, 81);  
box-shadow:4px 4px 4px 4px rgb(31, 189,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2806, 0.2834, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 189, 81) }
```

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

```
.background{ background-color: rgb(31, 189,  
81) }
```

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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