

Converting Colors

$Yxy(42.6080, 0.2730, 0.4877)$

Have a look what the booklet for
Yxy(42.6080, 0.2730, 0.4877)
contains.

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Color

Yxy(42.6614, 0.2731, 0.4880)

Conversions

Conversions Part 1

Format	Color
Hex	1FC86B
RGB	31, 200, 107
RGB Percent	12%, 78%, 42%
CMY	0.8781, 0.2157, 0.5804
CMYK	0.84, 0.00, 0.47, 0.22
HSL	147°, 73%, 45%
HSV	147°, 84%, 78%
XYZ	23.8746, 42.6614, 20.8849
YIQ	138.8670, -70.8710, -64.7510

Conversions

Conversions Part 2

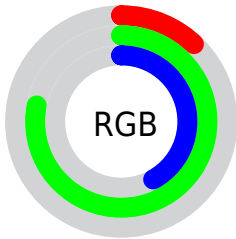
Format	Color
RYB	31, 148, 200
Decimal	2082923
CIELab	71.32, -60.92, 35.22
CIELCh	71, 70.368, 149.968
Yxy	42.6614, 0.2731, 0.4880
Android (android.graphics.Color)	4280273003 (0xFF1FC86B)
YUV	138.8670, -15.7104, -94.5994
Hunter-Lab	65.3157, -49.0559, 26.7629

Details

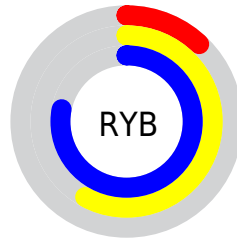
The Yxy color **42.6614, 0.2731, 0.4880** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.7208, 0.4427, 0.2331**, and the grayscale version is **25.8563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.2462, 0.2821, 0.4513**, and **20.2419, 0.2807, 0.5303** is the 20% darker color. If you saturate the color by 10%, you get **42.2251, 0.2755, 0.5079**, and if you desaturate by 10%, it is **43.3232, 0.2726, 0.4669**.

Distribution



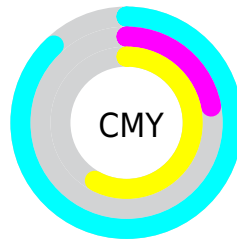
- Red (12%)
- Green (78%)
- Blue (42%)



- Red (12%)
- Yellow (58%)
- Blue (78%)



- Cyan (84%)
- Magenta (0%)
- Yellow (47%)
- Black (22%)




- Cyan (88%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.6614, 0.2731, 0.4880 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 42.6614, 0.2731, 0.4880 by changing the saturation by 10% instead.


 42.6614, 0.2731,
0.4880


 42.6614, 0.2731,
0.4880


357.2174, 0.2969,
0.4008


 29.6195, 0.2657,
0.5121


 79.1997, 0.2828,
0.4545


 19.5500, 0.2552,
0.5444


 103.4648, 0.2861,
0.4425

 12.0684, 0.2396,
0.5893


 132.2399, 0.2888,
0.4325

 6.7902, 0.2146,
0.6545

 165.9092, 0.2910,
0.4241

 3.3313, 0.1803,
0.7939

 204.8573, 0.2929,
0.4170

 1.3070, 0.0000,
1.0000


249.4684, 0.2944,

 0.1466, 0.0000,

0.4108


1.0000


300.1270, 0.2958,
0.4055


 0.0000, 0.0000,
0.0000


 42.6614, 0.2731,
0.4880


 42.6614, 0.2731,
0.4880


 42.2251, 0.2755,
0.5079


 43.3232, 0.2726,
0.4669

 42.0454, 0.2773,
0.5183

 44.2372, 0.2740,
0.4453

 45.4316, 0.2772,
0.4239

 46.9295, 0.2820,
0.4033

 48.7513, 0.2878,
0.3839

■ 50.9156, 0.2945,
0.3659

■ 53.4398, 0.3018,
0.3496

■ 56.3398, 0.3093,
0.3350

■ 59.6307, 0.3169,
0.3220

Harmonies

Analogous

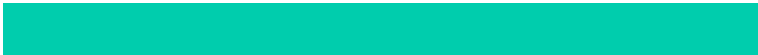
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



42.6614, 0.3655, 0.5161



42.6614, 0.2731, 0.4880



42.6614, 0.1966, 0.3848

Triad

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



42.6614, 0.2731, 0.4880



42.6614, 0.1763, 0.1855



42.6614, 0.5001, 0.3354

Complementary

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



42.6614, 0.2731, 0.4880



14.7208, 0.4427, 0.2331

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.



42.6614, 0.4320, 0.2718



42.6614, 0.2731, 0.4880



42.6614, 0.2361, 0.1901

Square

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



42.6614, 0.2731, 0.4880



42.6614, 0.1498, 0.2116



42.6614, 0.3286, 0.2204



42.6614, 0.5027, 0.4044

Rectangle

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



42.6614, 0.2731, 0.4880



42.6614, 0.1648, 0.3096



42.6614, 0.3286, 0.2204



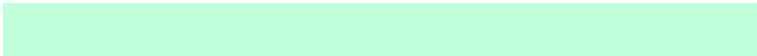
42.6614, 0.4841, 0.3134

Sweetspot

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



42.6631, 0.2731, 0.4880



87.7909, 0.2939, 0.3675



45.9052, 0.3521, 0.5456



18.4943, 0.2915, 0.3738



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



42.6631, 0.2731, 0.4880



72.7488, 0.2780, 0.5208



45.2645, 0.2323, 0.3461



11.9658, 0.3056, 0.3420



26.7511, 0.2766, 0.5157



1.2812, 0.2652, 0.4748

Inverse Universe

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



14.7208, 0.4427, 0.2331



23.1651, 0.4783, 0.2409



13.4332, 0.5935, 0.3223



10.7330, 0.3205, 0.3164



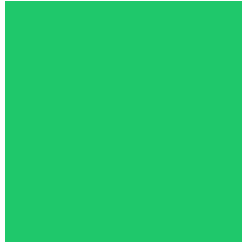
8.5433, 0.4728, 0.2378



0.4190, 0.4328, 0.2158

Previews

White Background



This preview shows how the Yxy color 42.6614, 0.2731, 0.4880 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 42.6614, 0.2731, 0.4880 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 42.6614, 0.2731, 0.4880

Background



This preview shows how black text looks on a background with the Yxy color 42.6614, 0.2731, 0.4880.



This preview shows how white text looks on a background with the Yxy color 42.6614, 0.2731, 0.4880.

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

42.6614, 0.2731, 0.4880

Protanopia

41.6974, 0.3937, 0.4282

Deuteranopia

41.9201, 0.4005, 0.3928



Tritanopia

42.4603, 0.2340, 0.3066

Trichromacy



Original Color

42.6614, 0.2731, 0.4880



Protanomaly

39.7121, 0.3311, 0.4566



Deuteranomaly

38.9399, 0.3352, 0.4301



Tritanomaly

42.0286, 0.2466, 0.3674

Monochromacy



Original Color

42.6614, 0.2731, 0.4880



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.7314, 0.2864, 0.3900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.6614, 0.2731, 0.4880 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, 200, 107)` looks like.

```
.text, #text, p{  
    color:rgb(31, 200, 107)  
}
```

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, 200, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 200, 107) }
```

Border

The CSS property to change the border of an element to Yxy 42.6614, 0.2731, 0.4880 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, 200, 107) }
```

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

```
.border{ border-color:rgb(31, 200, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 200, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 200, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 200, 107);  
box-shadow:4px 4px 4px 4px rgb(31, 200,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 42.6614, 0.2731, 0.4880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 200, 107) }
```

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

```
.background{ background-color: rgb(31, 200,  
107) }
```

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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