

Converting Colors

$Yxy(42.2462, 0.2882, 0.4734)$

Have a look what the booklet for
Yxy(42.2462, 0.2882, 0.4734)
contains.

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Color

Yxy(42.2462, 0.2883, 0.4734)

Conversions

Conversions Part 1

Format	Color
Hex	4FC46D
RGB	79, 196, 109
RGB Percent	31%, 77%, 43%
CMY	0.6900, 0.2314, 0.5725
CMYK	0.60, 0.00, 0.44, 0.23
HSL	135°, 50%, 54%
HSV	135°, 60%, 77%
XYZ	25.7279, 42.2462, 21.2659
YIQ	151.0990, -41.8050, -51.8610

Conversions

Conversions Part 2

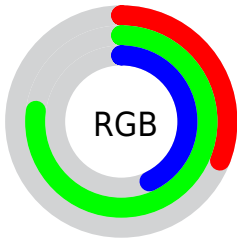
Format	Color
RYB	79, 172, 196
Decimal	5227629
CIELab	71.04, -51.74, 34.03
CIELCh	71, 61.924, 146.664
Yxy	42.2462, 0.2883, 0.4734
Android (android.graphics.Color)	4283417709 (0xFF4FC46D)
YUV	151.0990, -20.7548, -63.2308
Hunter-Lab	64.9971, -43.0890, 26.0993

Details

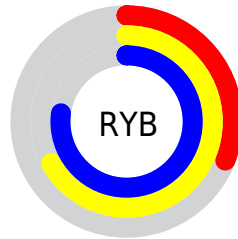
The Yxy color **42.2462, 0.2883, 0.4734** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **20.0905, 0.3574, 0.2212**, and the grayscale version is **31.1027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8955, 0.2947, 0.4433**, and **19.3655, 0.2787, 0.5232** is the 20% darker color. If you saturate the color by 10%, you get **41.2387, 0.2870, 0.5014**, and if you desaturate by 10%, it is **43.5571, 0.2908, 0.4451**.

Distribution



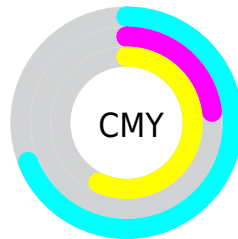
- Red (31%)
- Green (77%)
- Blue (43%)



- Red (31%)
- Yellow (67%)
- Blue (77%)



- Cyan (60%)
- Magenta (0%)
- Yellow (44%)
- Black (23%)





- Cyan (69%)
- Magenta (23%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2462, 0.2883, 0.4734 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 42.2462, 0.2883, 0.4734 by changing the saturation by 10% instead.


 42.2462, 0.2883,
0.4734


 42.2462, 0.2883,
0.4734


355.5025, 0.3039,
0.3947

 29.2941, 0.2831,
0.4951


 78.5721, 0.2949,
0.4433


 19.3034, 0.2756,
0.5240


 102.7147, 0.2971,
0.4324

 11.8897, 0.2640,
0.5642


 131.3563, 0.2988,
0.4234

 6.6686, 0.2446,
0.6228

 164.8812, 0.3002,
0.4158

 3.2557, 0.2188,
0.7453

203.6739, 0.3014,
0.4094

 1.2667, 0.0000,
1.0000

248.1188, 0.3024,

 0.1152, 0.0000,

0.4038

1.0000

298.6002, 0.3032,
0.3989

■ 0.0000, 0.0000,
0.0000

■ 42.2462, 0.2883,
0.4734

■ 42.2462, 0.2883,
0.4734

■ 41.2387, 0.2870,
0.5014

■ 43.5571, 0.2908,
0.4451

■ 40.5042, 0.2872,
0.5276

■ 45.1883, 0.2944,
0.4177

■ 40.0153, 0.2889,
0.5507

■ 47.1615, 0.2986,
0.3920

■ 39.7196, 0.2916,
0.5695

■ 49.4951, 0.3032,
0.3684

■ 39.7111, 0.2917,
0.5700

■ 52.2061, 0.3080,
0.3472

■ 55.3105, 0.3129,
0.3284

■ 58.8233, 0.3176,
0.3119

■ 62.7586, 0.3222,
0.2975

■ 67.0440, 0.3261,
0.2849

Harmonies

Analogous

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



42.2462, 0.3720, 0.4930



42.2462, 0.2883, 0.4734



42.2462, 0.2158, 0.3897

Triad

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



42.2462, 0.2883, 0.4734



42.2462, 0.1851, 0.2005



42.2462, 0.4747, 0.3306

Complementary

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



42.2462, 0.2883, 0.4734



20.0905, 0.3574, 0.2212

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.



42.2462, 0.4091, 0.2724



42.2462, 0.2883, 0.4734



42.2462, 0.2370, 0.2012

Square

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



42.2462, 0.2883, 0.4734



42.2462, 0.1638, 0.2292



42.2462, 0.3175, 0.2267



42.2462, 0.4856, 0.3938

Rectangle

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



42.2462, 0.2883, 0.4734



42.2462, 0.1835, 0.3236



42.2462, 0.3175, 0.2267



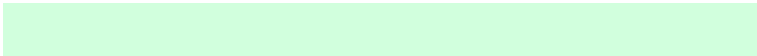
42.2462, 0.4581, 0.3103

Sweetspot

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



42.2479, 0.2883, 0.4734



90.3026, 0.3039, 0.3653



48.2341, 0.3702, 0.4822



19.0401, 0.3025, 0.3719



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.



42.2479, 0.2883, 0.4734



74.1927, 0.2869, 0.5107



43.9250, 0.2553, 0.3748



11.3002, 0.3082, 0.3466



25.5286, 0.2910, 0.5678



1.1147, 0.2782, 0.5217

Inverse Universe

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



20.0905, 0.3574, 0.2212



30.3708, 0.3712, 0.2053



18.4243, 0.4487, 0.2922



10.2020, 0.3176, 0.3120



8.8850, 0.3975, 0.1963



0.3945, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 42.2462, 0.2883, 0.4734 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 42.2462, 0.2883, 0.4734 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 42.2462, 0.2883, 0.4734

Background



This preview shows how black text looks on a background with the Yxy color 42.2462, 0.2883, 0.4734.



This preview shows how white text looks on a background with the Yxy color 42.2462, 0.2883, 0.4734.

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

42.2462, 0.2883, 0.4734

Protanopia

41.6261, 0.3904, 0.4250

Deuteranopia

41.4366, 0.3992, 0.3907



Tritanopia

41.8111, 0.2458, 0.3069

Trichromacy



Original Color

42.2462, 0.2883, 0.4734



Protanomaly

40.4166, 0.3456, 0.4453



Deuteranomaly

39.7165, 0.3501, 0.4213



Tritanomaly

41.6181, 0.2610, 0.3634

Monochromacy



Original Color

42.2462, 0.2883, 0.4734



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.7750, 0.3006, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2462, 0.2883, 0.4734 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(79, 196, 109)` looks like.

```
.text, #text, p{  
    color:rgb(79, 196, 109)  
}
```

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(79, 196, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 196, 109) }
```

Border

The CSS property to change the border of an element to Yxy 42.2462, 0.2883, 0.4734 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(79, 196, 109) }
```

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

```
.border{ border-color:rgb(79, 196, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 196, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 196, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 196, 109);  
box-shadow:4px 4px 4px 4px rgb(79, 196,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2462, 0.2883, 0.4734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 196, 109) }
```

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

```
.background{ background-color: rgb(79, 196,  
109) }
```

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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