

Converting Colors

$Yxy(41.9136, 0.2603, 0.4283)$

Have a look what the booklet for
Yxy(41.9136, 0.2603, 0.4283)
contains.

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Color

Yxy(41.9144, 0.2605, 0.4286)

Conversions

Conversions Part 1

Format	Color
Hex	30C489
RGB	48, 196, 137
RGB Percent	19%, 77%, 54%
CMY	0.8114, 0.2314, 0.4628
CMYK	0.75, 0.00, 0.30, 0.23
HSL	156°, 61%, 48%
HSV	156°, 75%, 77%
XYZ	25.4753, 41.9144, 30.4041
YIQ	145.0220, -69.2690, -49.7250

Conversions

Conversions Part 2

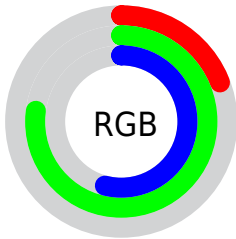
Format	Color
RYB	48, 140, 196
Decimal	3196041
CIELab	70.81, -51.81, 18.95
CIELCh	71, 55.170, 159.908
Yxy	41.9144, 0.2605, 0.4286
Android (android.graphics.Color)	4281386121 (0xFF30C489)
YUV	145.0220, -3.9548, -85.0883
Hunter-Lab	64.7413, -43.0588, 17.4749

Details

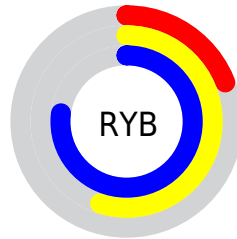
The Yxy color **41.9144, 0.2605, 0.4286** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **14.9202, 0.4660, 0.2625**, and the grayscale version is **28.3713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3582, 0.2710, 0.4079**, and **19.7379, 0.2602, 0.4567** is the 20% darker color. If you saturate the color by 10%, you get **41.3231, 0.2601, 0.4441**, and if you desaturate by 10%, it is **42.7358, 0.2629, 0.4131**.

Distribution



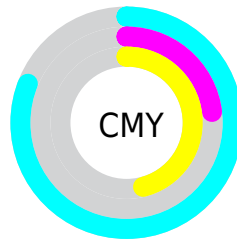
- Red (19%)
- Green (77%)
- Blue (54%)



- Red (19%)
- Yellow (55%)
- Blue (77%)



- Cyan (75%)
- Magenta (0%)
- Yellow (30%)
- Black (23%)




- Cyan (81%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9144, 0.2605, 0.4286 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 41.9144, 0.2605, 0.4286 by changing the saturation by 10% instead.


 41.9144, 0.2605,
0.4286


 41.9144, 0.2605,
0.4286

354.1280, 0.2885,
0.3749

 29.0343, 0.2529,
0.4434


 78.0701, 0.2711,
0.4081


 19.1067, 0.2428,
0.4631


 102.1144, 0.2750,
0.4007


 11.7474, 0.2287,
0.4909

 130.6489, 0.2782,
0.3946

 6.5719, 0.2078,
0.5325

 164.0580, 0.2809,
0.3894

 3.1959, 0.1743,
0.6002

 202.7260, 0.2832,
0.3850

 1.2348, 0.0000,
1.0000

247.0374, 0.2852,

 0.0899, 0.0000,

0.3811

1.0000

297.3766, 0.2869,
0.3778

■ 0.0000, 0.0000,
0.0000

■ 41.9144, 0.2605,
0.4286

■ 41.9144, 0.2605,
0.4286

■ 41.3231, 0.2601,
0.4441

■ 42.7358, 0.2629,
0.4131

■ 40.9263, 0.2617,
0.4593

■ 43.8074, 0.2672,
0.3979

■ 40.7833, 0.2628,
0.4660

■ 45.1522, 0.2731,
0.3833

■ 46.7894, 0.2804,
0.3695

■ 48.7365, 0.2888,
0.3567

■ 51.0095, 0.2978,
0.3450

■ 53.6231, 0.3074,
0.3343

■ 56.5914, 0.3172,
0.3248

■ 59.9276, 0.3270,
0.3164

Harmonies

Analogous

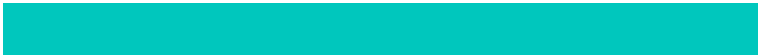
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9144, 0.3348, 0.4746



41.9144, 0.2605, 0.4286



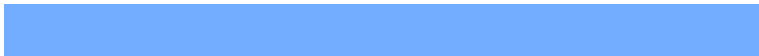
41.9144, 0.2045, 0.3445

Triad

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



41.9144, 0.2605, 0.4286



41.9144, 0.2143, 0.2091



41.9144, 0.4689, 0.3577

Complementary

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



41.9144, 0.2605, 0.4286



14.9202, 0.4660, 0.2625

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.



41.9144, 0.4297, 0.3010



41.9144, 0.2605, 0.4286



41.9144, 0.2743, 0.2200

Square

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



41.9144, 0.2605, 0.4286



41.9144, 0.1820, 0.2237



41.9144, 0.3542, 0.2526



41.9144, 0.4580, 0.4155

Rectangle

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



41.9144, 0.2605, 0.4286



41.9144, 0.1835, 0.2910



41.9144, 0.3542, 0.2526



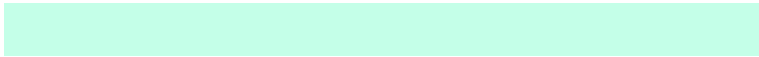
41.9144, 0.4613, 0.3384

Sweetspot

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



41.9161, 0.2605, 0.4286



89.1060, 0.2906, 0.3541



42.8356, 0.3343, 0.5430



18.7712, 0.2874, 0.3586



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.



41.9161, 0.2605, 0.4286



74.3245, 0.2610, 0.4547



37.7487, 0.2246, 0.3055



11.3582, 0.3036, 0.3383



26.2222, 0.2622, 0.4639



1.1463, 0.2529, 0.4303

Inverse Universe

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



14.9202, 0.4660, 0.2625



23.1213, 0.5177, 0.2680



15.4909, 0.5567, 0.3440



10.1430, 0.3228, 0.3198



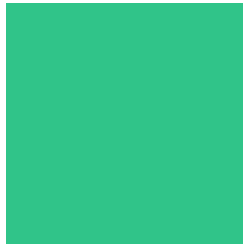
7.9121, 0.5356, 0.2724



0.3555, 0.4766, 0.2399

Previews

White Background



This preview shows how the Yxy color 41.9144, 0.2605, 0.4286 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 41.9144, 0.2605, 0.4286 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 41.9144, 0.2605, 0.4286

Background



This preview shows how black text looks on a background with the Yxy color 41.9144, 0.2605, 0.4286.



This preview shows how white text looks on a background with the Yxy color 41.9144, 0.2605, 0.4286.

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

41.9144, 0.2605, 0.4286

Protanopia

41.3257, 0.3650, 0.3916

Deuteranopia

40.9297, 0.3639, 0.3566



Tritanopia

41.9405, 0.2338, 0.3065

Trichromacy



Original Color

41.9144, 0.2605, 0.4286



Protanomaly

39.8103, 0.3131, 0.4081



Deuteranomaly

38.8134, 0.3119, 0.3824



Tritanomaly

41.7452, 0.2428, 0.3477

Monochromacy



Original Color

41.9144, 0.2605, 0.4286



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

31.8189, 0.2831, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9144, 0.2605, 0.4286 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(48, 196, 137)` looks like.

```
.text, #text, p{  
    color:rgb(48, 196, 137)  
}
```

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(48, 196, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 196, 137) }
```

Border

The CSS property to change the border of an element to Yxy 41.9144, 0.2605, 0.4286 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(48, 196, 137) }
```

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

```
.border{ border-color:rgb(48, 196, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 196, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 196, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 196, 137);  
box-shadow:4px 4px 4px 4px rgb(48, 196,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9144, 0.2605, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 196, 137) }
```

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

```
.background{ background-color: rgb(48, 196,  
137) }
```

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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