

Converting Colors

$Yxy(47.1875, 0.2829, 0.4036)$

Have a look what the booklet for
Yxy(47.1875, 0.2829, 0.4036)
contains.

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Color

Yxy(47.0536, 0.2832, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	71C897
RGB	113, 200, 151
RGB Percent	44%, 78%, 59%
CMY	0.5565, 0.2157, 0.4078
CMYK	0.43, 0.00, 0.24, 0.22
HSL	146°, 44%, 61%
HSV	146°, 43%, 78%
XYZ	33.0578, 47.0536, 36.6180
YIQ	168.4010, -36.1230, -33.6830

Conversions

Conversions Part 2

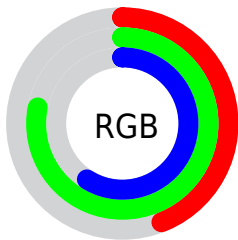
Format	Color
RYB	113, 174, 200
Decimal	7456919
CIELab	74.22, -37.27, 16.48
CIELCh	74, 40.749, 156.152
Yxy	47.0536, 0.2832, 0.4031
Android (android.graphics.Color)	4285646999 (0xFF71C897)
YUV	168.4010, -8.5787, -48.5867
Hunter-Lab	68.5956, -34.0192, 16.3665

Details

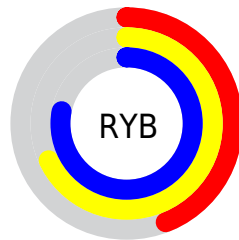
The Yxy color **47.0536, 0.2832, 0.4031** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **26.7178, 0.3610, 0.2660**, and the grayscale version is **39.4314, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2526, 0.2888, 0.3867**, and **22.0704, 0.2735, 0.4260** is the 20% darker color. If you saturate the color by 10%, you get **45.5219, 0.2785, 0.4241**, and if you desaturate by 10%, it is **48.9165, 0.2890, 0.3833**.

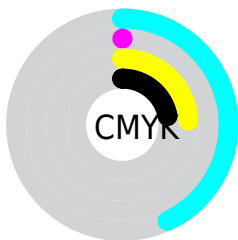
Distribution



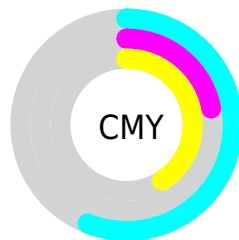
- Red (44%)
- Green (78%)
- Blue (59%)



- Red (44%)
- Yellow (68%)
- Blue (78%)



- Cyan (43%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)





- Cyan (56%)
- Magenta (22%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0536, 0.2832, 0.4031 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 47.0536, 0.2832, 0.4031 by changing the saturation by 10% instead.


 47.0536, 0.2832,
0.4031


 47.0536, 0.2832,
0.4031


375.0284, 0.2988,
0.3643


 33.0780, 0.2790,
0.4133


 85.7936, 0.2891,
0.3886

 22.1862, 0.2735,
0.4268


 111.3269, 0.2912,
0.3833

 13.9938, 0.2659,
0.4453


 141.4815, 0.2930,
0.3788

 8.1164, 0.2547,
0.4723

176.6418, 0.2945,
0.3750

 4.1695, 0.2367,
0.5148

217.1923, 0.2958,
0.3718

 1.7688, 0.2011,
0.6061

263.5173, 0.2969,

 0.4676, 0.0000,

0.3690

1.0000

316.0012, 0.2979,
0.3665

■ 0.0000, 0.0000,
0.0000

■ 47.0536, 0.2832,
0.4031

■ 47.0536, 0.2832,
0.4031

■ 45.5219, 0.2785,
0.4241

■ 48.9165, 0.2890,
0.3833

■ 44.2952, 0.2752,
0.4460

■ 51.1235, 0.2957,
0.3651

■ 43.3528, 0.2737,
0.4681

■ 53.6935, 0.3028,
0.3486

■ 42.6685, 0.2740,
0.4897


■ 56.6426, 0.3102,
0.3337

■ 42.2109, 0.2763,
0.5100

■ 59.9857, 0.3176,
0.3206

 41.9974, 0.2785,
0.5225

 63.7371, 0.3249,
0.3090

 67.9102, 0.3320,
0.2988

 68.9271, 0.3251,
0.2880

 69.6226, 0.3170,
0.2775

Harmonies

Analogous

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



47.0536, 0.3385, 0.4313



47.0536, 0.2832, 0.4031



47.0536, 0.2384, 0.3489

Triad

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



47.0536, 0.2832, 0.4031



47.0536, 0.2361, 0.2402



47.0536, 0.4224, 0.3483

Complementary

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



47.0536, 0.2832, 0.4031



26.7178, 0.3610, 0.2660

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.



47.0536, 0.3902, 0.3049



47.0536, 0.2832, 0.4031



47.0536, 0.2793, 0.2455

Square

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



47.0536, 0.2832, 0.4031



47.0536, 0.2136, 0.2558



47.0536, 0.3359, 0.2686



47.0536, 0.4213, 0.3914

Rectangle

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



47.0536, 0.2832, 0.4031



47.0536, 0.2196, 0.3108



47.0536, 0.3359, 0.2686



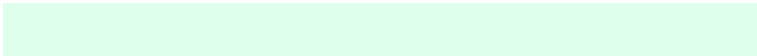
47.0536, 0.4151, 0.3335

Sweetspot

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



47.0555, 0.2832, 0.4031



93.1003, 0.3030, 0.3481



50.2152, 0.3443, 0.4479



19.7012, 0.3014, 0.3517



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.



47.0555, 0.2832, 0.4031



78.9925, 0.2788, 0.4226



48.7251, 0.2576, 0.3371



11.9635, 0.3058, 0.3423



26.7231, 0.2777, 0.5199



1.2798, 0.2662, 0.4784

Inverse Universe

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



26.7178, 0.3610, 0.2660



39.3154, 0.3762, 0.2535



25.4355, 0.4180, 0.3217



10.7354, 0.3203, 0.3161



8.5803, 0.4674, 0.2348



0.4206, 0.4288, 0.2136

Previews

White Background



This preview shows how the Yxy color 47.0536, 0.2832, 0.4031 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 47.0536, 0.2832, 0.4031 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 47.0536, 0.2832, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 47.0536, 0.2832, 0.4031.



This preview shows how white text looks on a background with the Yxy color 47.0536, 0.2832, 0.4031.

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

47.0536, 0.2832, 0.4031

Protanopia

46.3382, 0.3558, 0.3799

Deuteranopia

46.4701, 0.3594, 0.3527



Tritanopia

46.7654, 0.2558, 0.3069

Trichromacy



Original Color

47.0536, 0.2832, 0.4031



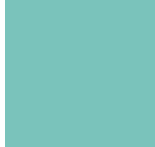
Protanomaly

45.9033, 0.3256, 0.3892



Deuteranomaly

45.4983, 0.3270, 0.3701



Tritanomaly

46.7556, 0.2658, 0.3403

Monochromacy



Original Color

47.0536, 0.2832, 0.4031



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

41.5471, 0.2997, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0536, 0.2832, 0.4031 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(113, 200, 151)` looks like.

```
.text, #text, p{  
    color:rgb(113, 200, 151)  
}
```

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(113, 200, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 200, 151) }
```

Border

The CSS property to change the border of an element to Yxy 47.0536, 0.2832, 0.4031 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(113, 200, 151) }
```

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

```
.border{ border-color:rgb(113, 200, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 200, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 200, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 200, 151);  
box-shadow:4px 4px 4px 4px rgb(113, 200,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0536, 0.2832, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 200, 151) }
```

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

```
.background{ background-color: rgb(113,  
200, 151) }
```

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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