

Converting Colors

$Y_{xy}(47.8310, 0.2789, 0.4270)$

Have a look what the booklet for
Yxy(47.8310, 0.2789, 0.4270)
contains.

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Color

Yxy(47.9654, 0.2790, 0.4281)

Conversions

Conversions Part 1

Format	Color
Hex	5ECD8D
RGB	94, 205, 141
RGB Percent	37%, 80%, 55%
CMY	0.6312, 0.1961, 0.4470
CMYK	0.54, 0.00, 0.31, 0.20
HSL	145°, 53%, 59%
HSV	145°, 54%, 80%
XYZ	31.2599, 47.9654, 32.8173
YIQ	164.5150, -45.6120, -43.4360

Conversions

Conversions Part 2

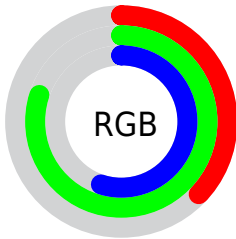
Format	Color
RYB	94, 172, 205
Decimal	6213005
CIELab	74.80, -46.26, 22.46
CIELCh	75, 51.425, 154.100
Yxy	47.9654, 0.2790, 0.4281
Android (android.graphics.Color)	4284403085 (0xFF5ECD8D)
YUV	164.5150, -11.5929, -61.8417
Hunter-Lab	69.2571, -40.6321, 20.3855

Details

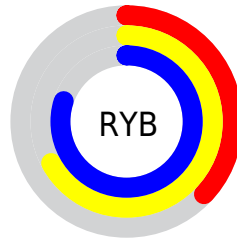
The Yxy color **47.9654, 0.2790, 0.4281** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **23.4625, 0.3768, 0.2500**, and the grayscale version is **37.4628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1355, 0.2855, 0.4005**, and **22.7839, 0.2675, 0.4616** is the 20% darker color. If you saturate the color by 10%, you get **46.6897, 0.2759, 0.4505**, and if you desaturate by 10%, it is **49.5704, 0.2835, 0.4064**.

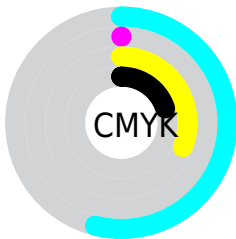
Distribution



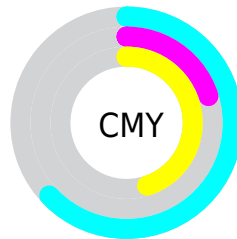
- Red (37%)
- Green (80%)
- Blue (55%)



- Red (37%)
- Yellow (67%)
- Blue (80%)



- Cyan (54%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)





- Cyan (63%)
- Magenta (20%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.9654, 0.2790, 0.4281 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 47.9654, 0.2790, 0.4281 by changing the saturation by 10% instead.

 47.9654, 0.2790,
0.4281

 47.9654, 0.2790,
0.4281


378.6550, 0.2973,
0.3758

 33.7995, 0.2740,
0.4420


 87.1529, 0.2860,
0.4084


 22.7396, 0.2672,
0.4604


 112.9432, 0.2885,
0.4013

 14.4014, 0.2578,
0.4857


 143.3772, 0.2906,
0.3953

 8.4003, 0.2437,
0.5225

 178.8392, 0.2923,
0.3902

 4.3522, 0.2207,
0.5801

219.7136, 0.2938,
0.3858

 1.8724, 0.1703,
0.7446

266.3847, 0.2951,

 0.5317, 0.0000,

0.3820

1.0000

319.2370, 0.2963,
0.3787

0.0000, 0.0000,
0.0000

47.9654, 0.2790,
0.4281

47.9654, 0.2790,
0.4281

46.6897, 0.2759,
0.4505

49.5704, 0.2835,
0.4064

45.7129, 0.2746,
0.4731

51.5207, 0.2892,
0.3860

45.0087, 0.2752,
0.4951

53.8381, 0.2956,
0.3672

44.5433, 0.2777,
0.5156

56.5411, 0.3025,
0.3501

44.3460, 0.2797,
0.5268

59.6468, 0.3097,
0.3348

■ 63.1712, 0.3170,
0.3212

■ 67.1295, 0.3241,
0.3092

■ 70.9536, 0.3287,
0.2985

■ 71.6620, 0.3203,
0.2872

Harmonies

Analogous

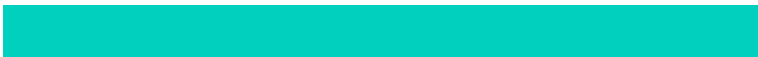
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



47.9654, 0.3473, 0.4596



47.9654, 0.2790, 0.4281



47.9654, 0.2234, 0.3583

Triad

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



47.9654, 0.2790, 0.4281



47.9654, 0.2160, 0.2210



47.9654, 0.4488, 0.3464

Complementary

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



47.9654, 0.2790, 0.4281



23.4625, 0.3768, 0.2500

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.



47.9654, 0.4058, 0.2951



47.9654, 0.2790, 0.4281



47.9654, 0.2663, 0.2264

Square

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



47.9654, 0.2790, 0.4281



47.9654, 0.1912, 0.2402



47.9654, 0.3358, 0.2527



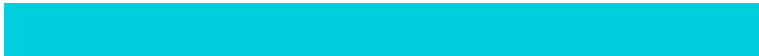
47.9654, 0.4487, 0.3993

Rectangle

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



47.9654, 0.2790, 0.4281



47.9654, 0.2002, 0.3090



47.9654, 0.3358, 0.2527



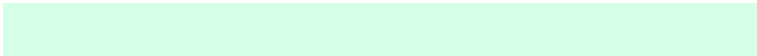
47.9654, 0.4389, 0.3287

Sweetspot

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



47.9674, 0.2790, 0.4281



91.6426, 0.3011, 0.3535



51.8177, 0.3511, 0.4775



19.4123, 0.2996, 0.3570



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.



47.9674, 0.2790, 0.4281



76.1741, 0.2756, 0.4544



50.0179, 0.2489, 0.3421



12.6145, 0.3059, 0.3427



27.6260, 0.2789, 0.5241



1.4403, 0.2680, 0.4849

Inverse Universe

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



23.4625, 0.3768, 0.2500



31.9420, 0.3978, 0.2372



21.9782, 0.4579, 0.3180



11.3203, 0.3201, 0.3157



8.9168, 0.4623, 0.2320



0.4750, 0.4273, 0.2128

Previews

White Background



This preview shows how the Yxy color 47.9654, 0.2790, 0.4281 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 47.9654, 0.2790, 0.4281 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 47.9654, 0.2790, 0.4281

Background



This preview shows how black text looks on a background with the Yxy color 47.9654, 0.2790, 0.4281.



This preview shows how white text looks on a background with the Yxy color 47.9654, 0.2790, 0.4281.

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

47.9654, 0.2790, 0.4281

Protanopia

47.3760, 0.3680, 0.3957

Deuteranopia

47.3349, 0.3709, 0.3634



Tritanopia

47.8107, 0.2474, 0.3068

Trichromacy



Original Color

47.9654, 0.2790, 0.4281



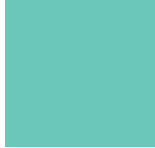
Protanomaly

46.4845, 0.3292, 0.4081



Deuteranomaly

46.1310, 0.3310, 0.3870



Tritanomaly

47.5178, 0.2587, 0.3478

Monochromacy



Original Color

47.9654, 0.2790, 0.4281



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.5318, 0.2969, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9654, 0.2790, 0.4281 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(94, 205, 141)` looks like.

```
.text, #text, p{  
    color:rgb(94, 205, 141)  
}
```

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(94, 205, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 205, 141) }
```

Border

The CSS property to change the border of an element to Yxy 47.9654, 0.2790, 0.4281 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(94, 205, 141) }
```

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

```
.border{ border-color:rgb(94, 205, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 205, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 205, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 205, 141);  
box-shadow:4px 4px 4px 4px rgb(94, 205,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9654, 0.2790, 0.4281 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 205, 141) }
```

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

```
.background{ background-color: rgb(94, 205,  
141) }
```

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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