

Converting Colors

Yxy(50.2828, 0.2994, 0.4209)

Have a look what the booklet for
Yxy(50.2828, 0.2994, 0.4209)
contains.

Yxy(50.2828, 0.2994, 0.4209)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(50.2828, 0.2994, 0.4209)

Conversions

Conversions Part 1

Format	Color
Hex	81CD8E
RGB	129, 205, 142
RGB Percent	51%, 80%, 56%
CMY	0.4941, 0.1961, 0.4431
CMYK	0.37, 0.00, 0.31, 0.20
HSL	130°, 43%, 65%
HSV	130°, 37%, 80%
XYZ	35.7678, 50.2828, 33.4143
YIQ	175.0940, -25.0730, -35.7050

Conversions

Conversions Part 2

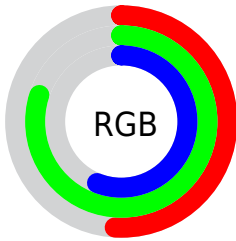
Format	Color
RYB	129, 194, 205
Decimal	8506766
CIELab	76.24, -36.61, 24.14
CIELCh	76, 43.853, 146.606
Yxy	50.2828, 0.2994, 0.4209
Android (android.graphics.Color)	4286696846 (0xFF81CD8E)
YUV	175.0940, -16.3153, -40.4244
Hunter-Lab	70.9104, -34.0562, 21.6987

Details

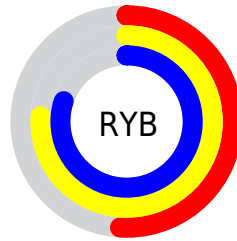
The Yxy color **50.2828, 0.2994, 0.4209** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.4868, 0.3300, 0.2520**, and the grayscale version is **43.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6959, 0.3025, 0.3958**, and **24.0639, 0.2935, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **48.3651, 0.2964, 0.4511**, and if you desaturate by 10%, it is **52.6045, 0.3028, 0.3926**.

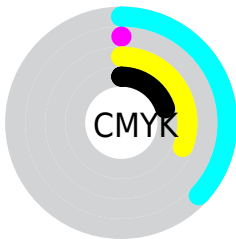
Distribution



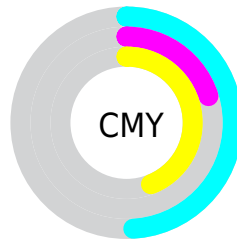
- Red (51%)
- Green (80%)
- Blue (56%)



- Red (51%)
- Yellow (76%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2828, 0.2994, 0.4209 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 50.2828, 0.2994, 0.4209 by changing the saturation by 10% instead.


 50.2828, 0.2994,
0.4209

 50.2828, 0.2994,
0.4209


387.7708, 0.3073,
0.3731


 35.6382, 0.2970,
0.4334


 90.5937, 0.3026,
0.4031

 24.1549, 0.2937,
0.4497


 117.0288, 0.3037,
0.3966

 15.4485, 0.2888,
0.4719


 148.1629, 0.3046,
0.3911

 9.1348, 0.2811,
0.5037

184.3802, 0.3053,
0.3864

 4.8292, 0.2678,
0.5525

226.0653, 0.3059,
0.3824

 2.1474, 0.2522,
0.6642

273.6025, 0.3064,

 0.6911, 0.0000,

0.3789

1.0000

327.3762, 0.3069,
0.3758

0.0000, 0.0000,
0.0000

50.2828, 0.2994,
0.4209

50.2828, 0.2994,
0.4209

48.3651, 0.2964,
0.4511

52.6045, 0.3028,
0.3926

46.8223, 0.2941,
0.4821

55.3451, 0.3065,
0.3667

45.6312, 0.2928,
0.5125


58.5261, 0.3101,
0.3437

44.7636, 0.2926,
0.5403


62.1659, 0.3138,
0.3233

44.1864, 0.2935,
0.5637

66.2818, 0.3172,
0.3056

 43.8565, 0.2954,
0.5813

 70.8901, 0.3205,
0.2902

 43.7860, 0.2959,
0.5853

 72.1442, 0.3150,
0.2801

Harmonies

Analogous

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



50.2828, 0.3578, 0.4382



50.2828, 0.2994, 0.4209



50.2828, 0.2475, 0.3695

Triad

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



50.2828, 0.2994, 0.4209



50.2828, 0.2224, 0.2387



50.2828, 0.4210, 0.3341

Complementary

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



50.2828, 0.2994, 0.4209



32.4868, 0.3300, 0.2520

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.



50.2828, 0.3776, 0.2904



50.2828, 0.2994, 0.4209



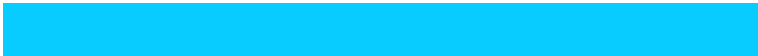
50.2828, 0.2611, 0.2377

Square

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



50.2828, 0.2994, 0.4209



50.2828, 0.2065, 0.2621



50.2828, 0.3173, 0.2563



50.2828, 0.4311, 0.3801

Rectangle

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



50.2828, 0.2994, 0.4209



50.2828, 0.2231, 0.3282



50.2828, 0.3173, 0.2563



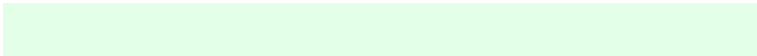
50.2828, 0.4097, 0.3189

Sweetspot

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



50.2849, 0.2994, 0.4209



93.6548, 0.3086, 0.3527



56.4998, 0.3573, 0.4239



19.8923, 0.3081, 0.3559



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.



50.2849, 0.2994, 0.4209



79.9504, 0.2971, 0.4434



51.6135, 0.2760, 0.3645



12.5678, 0.3093, 0.3488



27.2672, 0.2954, 0.5835



1.4166, 0.2861, 0.5499

Inverse Universe

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



32.4868, 0.3300, 0.2520



46.8894, 0.3344, 0.2371



31.0255, 0.3719, 0.2967



11.3695, 0.3163, 0.3100



9.8973, 0.3691, 0.1807



0.5195, 0.3581, 0.1747

Previews

White Background



This preview shows how the Yxy color 50.2828, 0.2994, 0.4209 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 50.2828, 0.2994, 0.4209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

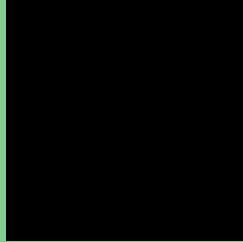
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2828, 0.2994, 0.4209

Background



This preview shows how black text looks on a background with the Yxy color 50.2828, 0.2994, 0.4209.

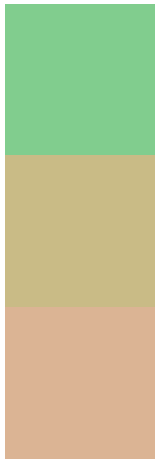


This preview shows how white text looks on a background with the Yxy color 50.2828, 0.2994, 0.4209.

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

50.2828, 0.2994, 0.4209

Protanopia

49.6794, 0.3677, 0.3957

Deuteranopia

49.8407, 0.3750, 0.3674



Tritanopia

50.0730, 0.2640, 0.3077

Trichromacy



Original Color

50.2828, 0.2994, 0.4209



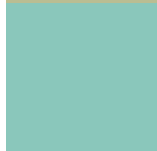
Protanomaly

49.5037, 0.3400, 0.4057



Deuteranomaly

48.9096, 0.3439, 0.3855



Tritanomaly

49.8380, 0.2764, 0.3455

Monochromacy



Original Color

50.2828, 0.2994, 0.4209



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

45.0313, 0.3071, 0.3613

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2828, 0.2994, 0.4209 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(129, 205, 142)` looks like.

```
.text, #text, p{  
    color:rgb(129, 205, 142)  
}
```

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(129, 205, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 205, 142) }
```

Border

The CSS property to change the border of an element to Yxy 50.2828, 0.2994, 0.4209 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(129, 205, 142) }
```

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

```
.border{ border-color:rgb(129, 205, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 205, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 205, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 205, 142); box-shadow:4px 4px 4px 4px rgb(129, 205, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2828, 0.2994, 0.4209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 205, 142) }
```

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

```
.background{ background-color: rgb(129,  
205, 142) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor