

Converting Colors

$Yxy(44.5509, 0.2930, 0.4079)$

Have a look what the booklet for
Yxy(44.5509, 0.2930, 0.4079)
contains.

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Color

Yxy(44.5296, 0.2930, 0.4087)

Conversions

Conversions Part 1

Format	Color
Hex	78C28E
RGB	120, 194, 142
RGB Percent	47%, 76%, 56%
CMY	0.5293, 0.2392, 0.4432
CMYK	0.38, 0.00, 0.27, 0.24
HSL	138°, 38%, 62%
HSV	138°, 38%, 76%
XYZ	31.9236, 44.5296, 32.5011
YIQ	165.9460, -27.4120, -31.8600

Conversions

Conversions Part 2

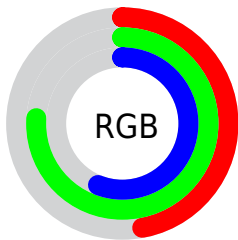
Format	Color
RYB	120, 177, 194
Decimal	7914126
CIELab	72.58, -34.26, 19.06
CIELCh	73, 39.204, 150.904
Yxy	44.5296, 0.2930, 0.4087
Android (android.graphics.Color)	4286104206 (0xFF78C28E)
YUV	165.9460, -11.8054, -40.2946
Hunter-Lab	66.7305, -31.3847, 17.8342

Details

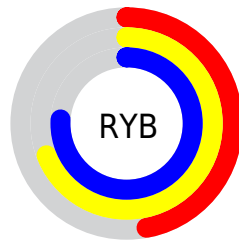
The Yxy color **44.5296, 0.2930, 0.4087** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **27.8919, 0.3409, 0.2611**, and the grayscale version is **38.1785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0938, 0.2973, 0.3927**, and **20.7048, 0.2861, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **42.8965, 0.2890, 0.4344**, and if you desaturate by 10%, it is **46.4976, 0.2977, 0.3848**.

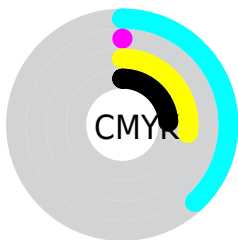
Distribution



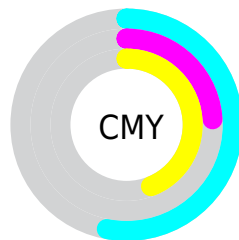
- Red (47%)
- Green (76%)
- Blue (56%)



- Red (47%)
- Yellow (69%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (27%)
- Black (24%)




- Cyan (53%)
- Magenta (24%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5296, 0.2930, 0.4087 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 44.5296, 0.2930, 0.4087 by changing the saturation by 10% instead.


 44.5296, 0.2930,
0.4087

 44.5296, 0.2930,
0.4087


364.8651, 0.3039,
0.3666


 31.0871, 0.2899,
0.4200


 82.0141, 0.2972,
0.3928

 20.6652, 0.2857,
0.4349


 106.8248, 0.2988,
0.3870

 12.8795, 0.2796,
0.4556

 136.1937, 0.3000,
0.3822

 7.3456, 0.2703,
0.4859

170.5053, 0.3010,
0.3781

 3.6792, 0.2543,
0.5344

210.1437, 0.3019,
0.3746

 1.4958, 0.2250,
0.6902

255.4936, 0.3027,

 0.2857, 0.0000,

0.3716

1.0000

306.9393, 0.3034,
0.3689

0.0000, 0.0000,
0.0000

44.5296, 0.2930,
0.4087

44.5296, 0.2930,
0.4087

42.8965, 0.2890,
0.4344

46.4976, 0.2977,
0.3848

41.5738, 0.2860,
0.4611

48.8122, 0.3029,
0.3629

40.5426, 0.2843,
0.4880


51.4915, 0.3083,
0.3433


39.7794, 0.2842,
0.5139


54.5505, 0.3137,
0.3259

39.2569, 0.2858,
0.5374


58.0035, 0.3190,
0.3106

 38.9340, 0.2886,
0.5575

 61.8639, 0.3242,
0.2973

 38.8840, 0.2891,
0.5609

 65.9852, 0.3284,
0.2855

 66.8154, 0.3183,
0.2728

 67.0626, 0.3155,
0.2693

Harmonies

Analogous

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



44.5296, 0.3476, 0.4303



44.5296, 0.2930, 0.4087



44.5296, 0.2462, 0.3586

Triad

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



44.5296, 0.2930, 0.4087



44.5296, 0.2321, 0.2430



44.5296, 0.4169, 0.3405

Complementary

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



44.5296, 0.2930, 0.4087



27.8919, 0.3409, 0.2611

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.



44.5296, 0.3804, 0.2985



44.5296, 0.2930, 0.4087



44.5296, 0.2713, 0.2447

Square

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



44.5296, 0.2930, 0.4087



44.5296, 0.2138, 0.2622



44.5296, 0.3254, 0.2646



44.5296, 0.4218, 0.3834

Rectangle

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



44.5296, 0.2930, 0.4087



44.5296, 0.2252, 0.3207



44.5296, 0.3254, 0.2646



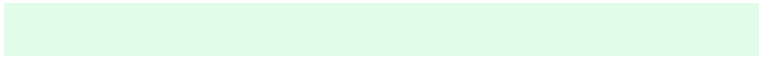
44.5296, 0.4079, 0.3260

Sweetspot

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



44.5314, 0.2930, 0.4087



91.7389, 0.3067, 0.3490



48.8289, 0.3507, 0.4289



19.9402, 0.3059, 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.



44.5314, 0.2930, 0.4087



78.0976, 0.2895, 0.4307



45.7919, 0.2699, 0.3523



11.3069, 0.3076, 0.3456



25.5784, 0.2885, 0.5586



1.1176, 0.2753, 0.5112

Inverse Universe

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



27.8919, 0.3409, 0.2611



43.5398, 0.3496, 0.2463



26.6911, 0.3849, 0.3074



10.1949, 0.3182, 0.3129



8.7321, 0.4123, 0.2045



0.3889, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 44.5296, 0.2930, 0.4087 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 44.5296, 0.2930, 0.4087 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 44.5296, 0.2930, 0.4087

Background



This preview shows how black text looks on a background with the Yxy color 44.5296, 0.2930, 0.4087.



This preview shows how white text looks on a background with the Yxy color 44.5296, 0.2930, 0.4087.

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

44.5296, 0.2930, 0.4087

Protanopia

44.1127, 0.3611, 0.3860

Deuteranopia

43.8352, 0.3663, 0.3583



Tritanopia

44.3214, 0.2625, 0.3080

Trichromacy



Original Color

44.5296, 0.2930, 0.4087



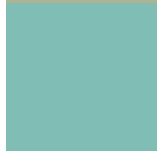
Protanomaly

43.6724, 0.3337, 0.3942



Deuteranomaly

43.2832, 0.3362, 0.3761



Tritanomaly

44.2797, 0.2729, 0.3420

Monochromacy



Original Color

44.5296, 0.2930, 0.4087



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

39.8746, 0.3045, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5296, 0.2930, 0.4087 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(120, 194, 142)` looks like.

```
.text, #text, p{  
    color:rgb(120, 194, 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(120, 194, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 194, 142) }
```

Border

The CSS property to change the border of an element to Yxy 44.5296, 0.2930, 0.4087 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(120, 194, 142) }
```

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

```
.border{ border-color:rgb(120, 194, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 194, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 194, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 194, 142);  
box-shadow:4px 4px 4px 4px rgb(120, 194,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5296, 0.2930, 0.4087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 194, 142) }
```

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

```
.background{ background-color: rgb(120,  
194, 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](#).

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