

Converting Colors

$Yxy(44.6484, 0.2927, 0.3809)$

Have a look what the booklet for
Yxy(44.6484, 0.2927, 0.3809)
contains.

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Color

Yxy(44.6484, 0.2927, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	85BF9C
RGB	133, 191, 156
RGB Percent	52%, 75%, 61%
CMY	0.4782, 0.2510, 0.3882
CMYK	0.30, 0.00, 0.18, 0.25
HSL	144°, 31%, 64%
HSV	144°, 30%, 75%
XYZ	34.3098, 44.6484, 38.2600
YIQ	169.6680, -23.3330, -23.1810

Conversions

Conversions Part 2

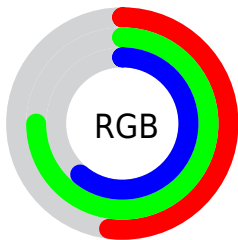
Format	Color
RYB	133, 175, 191
Decimal	8765340
CIELab	72.66, -26.14, 11.73
CIELCh	73, 28.654, 155.836
Yxy	44.6484, 0.2927, 0.3809
Android (android.graphics.Color)	4286955420 (0xFF85BF9C)
YUV	169.6680, -6.7383, -32.1578
Hunter-Lab	66.8195, -25.2797, 12.8249

Details

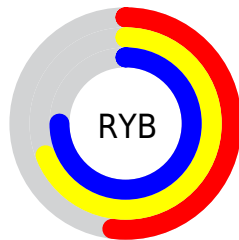
The Yxy color **44.6484, 0.2927, 0.3809** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.6935, 0.3400, 0.2824**, and the grayscale version is **40.0730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4027, 0.2961, 0.3707**, and **20.6606, 0.2857, 0.3964** is the 20% darker color. If you saturate the color by 10%, you get **42.8613, 0.2870, 0.4016**, and if you desaturate by 10%, it is **46.7591, 0.2990, 0.3619**.

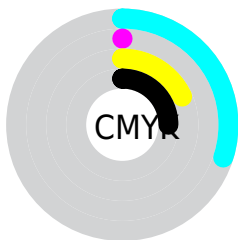
Distribution



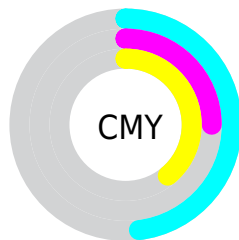
- Red (52%)
- Green (75%)
- Blue (61%)



- Red (52%)
- Yellow (69%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (18%)
- Black (25%)





- Cyan (48%)
- Magenta (25%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6484, 0.2927, 0.3809 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 44.6484, 0.2927, 0.3809 by changing the saturation by 10% instead.

 44.6484, 0.2927,
0.3809

 44.6484, 0.2927,
0.3809


365.3477, 0.3032,
0.3539

 31.1806, 0.2899,
0.3880


 82.1925, 0.2966,
0.3708

 20.7364, 0.2862,
0.3974


 107.0377, 0.2981,
0.3671

 12.9314, 0.2811,
0.4103

 136.4440, 0.2993,
0.3640

 7.3814, 0.2735,
0.4291

170.7959, 0.3003,
0.3613

 3.7017, 0.2614,
0.4590

210.4779, 0.3012,
0.3591

 1.5081, 0.2386,
0.5186

255.8742, 0.3020,

 0.2945, 0.0000,

0.3571

1.0000

307.3694, 0.3026,
0.3554

0.0000, 0.0000,
0.0000

44.6484, 0.2927,
0.3809

44.6484, 0.2927,
0.3809

42.8613, 0.2870,
0.4016

46.7591, 0.2990,
0.3619

41.3757, 0.2823,
0.4238

49.2028, 0.3057,
0.3448

40.1758, 0.2788,
0.4469


51.9957, 0.3125,
0.3295


39.2417, 0.2770,
0.4705

55.1511, 0.3193,
0.3160

38.5509, 0.2769,
0.4935

58.6817, 0.3259,
0.3041

 38.0770, 0.2787,
0.5152

 62.5993, 0.3323,
0.2937

 37.7762, 0.2817,
0.5342

 64.6192, 0.3292,
0.2832

 65.3144, 0.3206,
0.2724

 65.7394, 0.3157,
0.2663

Harmonies

Analogous

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



44.6484, 0.3330, 0.4008



44.6484, 0.2927, 0.3809



44.6484, 0.2592, 0.3442

Triad

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



44.6484, 0.2927, 0.3809



44.6484, 0.2565, 0.2638



44.6484, 0.3908, 0.3445

Complementary

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



44.6484, 0.2927, 0.3809



30.6935, 0.3400, 0.2824

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.



44.6484, 0.3677, 0.3118



44.6484, 0.2927, 0.3809



44.6484, 0.2887, 0.2670

Square

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



44.6484, 0.2927, 0.3809



44.6484, 0.2395, 0.2767



44.6484, 0.3295, 0.2842



44.6484, 0.3911, 0.3758

Rectangle

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



44.6484, 0.2927, 0.3809



44.6484, 0.2448, 0.3176



44.6484, 0.3295, 0.2842



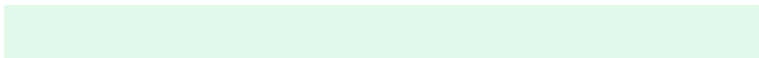
44.6484, 0.3855, 0.3334

Sweetspot

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



44.6503, 0.2927, 0.3809



88.6926, 0.3065, 0.3429



47.3653, 0.3383, 0.4089



19.3235, 0.3055, 0.3452



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.6503, 0.2927, 0.3809



77.9114, 0.2891, 0.3936



45.7206, 0.2739, 0.3385



10.7105, 0.3063, 0.3432



24.8424, 0.2810, 0.5317



0.9860, 0.2672, 0.4820

Inverse Universe

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



30.6935, 0.3400, 0.2824



49.1533, 0.3474, 0.2726



29.7524, 0.3720, 0.3199



9.6305, 0.3197, 0.3152



8.1144, 0.4505, 0.2255



0.3304, 0.4117, 0.2041

Previews

White Background



This preview shows how the Yxy color 44.6484, 0.2927, 0.3809 looks on a white background.

Color Contrast Check

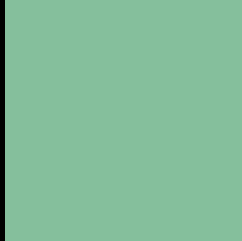
Large Text (above 18pt) WCAG AA × Fail

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 44.6484, 0.2927, 0.3809 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 44.6484, 0.2927, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 44.6484, 0.2927, 0.3809.

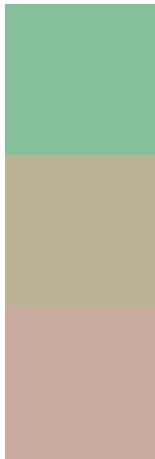


This preview shows how white text looks on a background with the Yxy color 44.6484, 0.2927, 0.3809.

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

44.6484, 0.2927, 0.3809

Protanopia

44.1790, 0.3453, 0.3664

Deuteranopia

44.0814, 0.3502, 0.3431



Tritanopia

44.6188, 0.2689, 0.3082

Trichromacy



Original Color

44.6484, 0.2927, 0.3809

Protanomaly

43.9384, 0.3236, 0.3710

Deuteranomaly

43.5741, 0.3265, 0.3550

Tritanomaly

44.4903, 0.2776, 0.3332

Monochromacy



Original Color

44.6484, 0.2927, 0.3809

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7255, 0.3050, 0.3475

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6484, 0.2927, 0.3809 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(133, 191, 156)` looks like.

```
.text, #text, p{  
    color:rgb(133, 191, 156)  
}
```

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(133, 191, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 191, 156) }
```

Border

The CSS property to change the border of an element to Yxy 44.6484, 0.2927, 0.3809 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(133, 191, 156) }
```

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

```
.border{ border-color:rgb(133, 191, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 191, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 191, 156); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 191, 156); box-shadow:4px 4px 4px 4px rgb(133, 191, 156) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6484, 0.2927, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 191, 156) }
```

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

```
.background{ background-color: rgb(133,  
191, 156) }
```

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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