

# Converting Colors

$Y_{xy}(44.1752, 0.2795, 0.3464)$

Have a look what the booklet for  
Yxy(44.1752, 0.2795, 0.3464)  
contains.

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# Color

**Yxy(44.1694, 0.2795, 0.3463)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86BCB0
RGB	134, 188, 176
RGB Percent	53%, 74%, 69%
CMY	0.4746, 0.2627, 0.3097
CMYK	0.29, 0.00, 0.06, 0.26
HSL	167°, 29%, 63%
HSV	167°, 29%, 74%
XYZ	35.6493, 44.1694, 47.7280
YIQ	170.4860, -28.3320, -15.1800

# Conversions

## Conversions Part 2

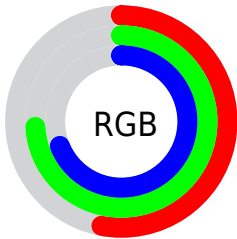
Format	Color
<a href="#">RYB</a>	<a href="#">134, 164, 188</a>
Decimal	<a href="#">8830128</a>
CIELab	<a href="#">72.34, -20.20, 0.39</a>
CIELCh	<a href="#">72, 20.202, 178.904</a>
Yxy	<a href="#">44.1694, 0.2795, 0.3463</a>
Android (android.graphics.Color)	<a href="#">4287020208 (0xFF86BCB0)</a>
YUV	<a href="#">170.4860, 2.7184, -31.9982</a>
Hunter-Lab	<a href="#">66.4601, -20.5574, 3.9432</a>

# Details

The Yxy color **44.1694, 0.2795, 0.3463** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.8104, 0.3612, 0.3125**, and the grayscale version is **40.4494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3464, 0.2856, 0.3422**, and **20.5770, 0.2695, 0.3513** is the 20% darker color. If you saturate the color by 10%, you get **42.5989, 0.2696, 0.3533**, and if you desaturate by 10%, it is **46.0232, 0.2904, 0.3398**.

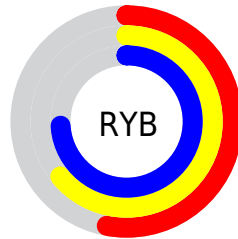
# Distribution



Red (53%)

Green (74%)

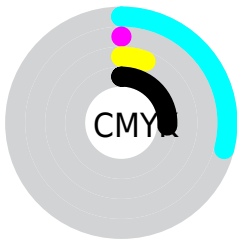
Blue (69%)



Red (53%)

Yellow (64%)

Blue (74%)

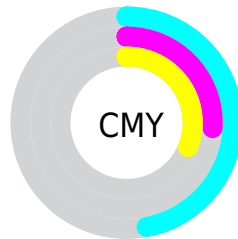


Cyan (29%)

Magenta (0%)

Yellow (6%)

Black (26%)



Cyan (47%)

Magenta (26%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1694, 0.2795, 0.3463 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 44.1694, 0.2795, 0.3463 by changing the saturation by 10% instead.





 44.1694, 0.2795,  
0.3463


 44.1694, 0.2795,  
0.3463


363.3991, 0.2962,  
0.3376

 30.8037, 0.2753,  
0.3485


 81.4726, 0.2856,  
0.3431

 20.4494, 0.2699,  
0.3513


 106.1789, 0.2879,  
0.3419

 12.7222, 0.2626,  
0.3552

 135.4341, 0.2898,  
0.3409

 7.2375, 0.2524,  
0.3605

169.6228, 0.2915,  
0.3401

 3.6111, 0.2370,  
0.3686

209.1292, 0.2929,  
0.3393

 1.4585, 0.2112,  
0.3823

254.3378, 0.2942,

 0.2592, 0.0000,

0.3387

0.5039

305.6330, 0.2953,  
0.3381

0.0000, 0.0000,  
0.0000

44.1694, 0.2795,  
0.3463

44.1694, 0.2795,  
0.3463

42.5989, 0.2696,  
0.3533

46.0232, 0.2904,  
0.3398

41.2916, 0.2611,  
0.3608

48.1684, 0.3021,  
0.3338

40.2336, 0.2542,  
0.3685


50.6195, 0.3143,  
0.3283


39.4070, 0.2490,  
0.3766

53.3883, 0.3267,  
0.3235

38.7918, 0.2458,  
0.3847


56.4861, 0.3392,  
0.3191


 38.3646, 0.2445,  
0.3928

 59.9235, 0.3515,  
0.3153

 38.0854, 0.2449,  
0.4009

 61.6483, 0.3549,  
0.3113

 38.0536, 0.2450,  
0.4019

 61.8528, 0.3514,  
0.3071

 62.0628, 0.3480,  
0.3029

# Harmonies

## Analogous

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



44.1694, 0.3054, 0.3694



44.1694, 0.2795, 0.3463



44.1694, 0.2628, 0.3189

# Triad

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



44.1694, 0.2795, 0.3463



44.1694, 0.2897, 0.2825



44.1694, 0.3696, 0.3585

# Complementary

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



44.1694, 0.2795, 0.3463



29.8104, 0.3612, 0.3125

# 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.



44.1694, 0.3653, 0.3354



44.1694, 0.2795, 0.3463



44.1694, 0.3181, 0.2929

# Square

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



44.1694, 0.2795, 0.3463



44.1694, 0.2685, 0.2833



44.1694, 0.3461, 0.3118



44.1694, 0.3579, 0.3754



# Rectangle

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



44.1694, 0.2795, 0.3463



44.1694, 0.2587, 0.3027



44.1694, 0.3461, 0.3118



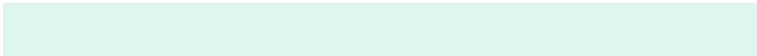
44.1694, 0.3700, 0.3512

# Sweetspot

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



44.1712, 0.2795, 0.3463



87.1209, 0.3016, 0.3340



43.8548, 0.3191, 0.4087



18.6065, 0.2999, 0.3349



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



44.1712, 0.2795, 0.3463



78.3290, 0.2736, 0.3503



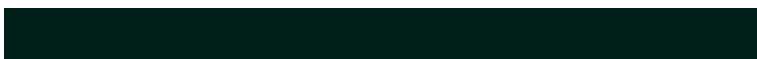
38.8150, 0.2694, 0.3079



10.7723, 0.3014, 0.3341



25.9181, 0.2447, 0.4009



1.0244, 0.2393, 0.3816



# Inverse Universe

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



29.8104, 0.3612, 0.3125



48.3622, 0.3750, 0.3091



33.7136, 0.3696, 0.3491



9.5701, 0.3254, 0.3239



7.4011, 0.5988, 0.3072

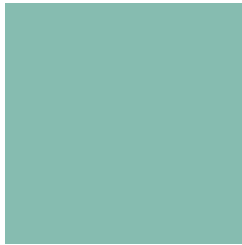


0.3000, 0.5308, 0.2698



# Previews

## White Background



This preview shows how the Yxy color 44.1694, 0.2795, 0.3463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

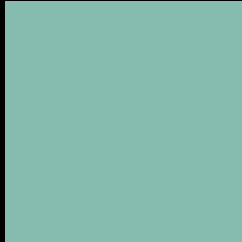
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1694, 0.2795, 0.3463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

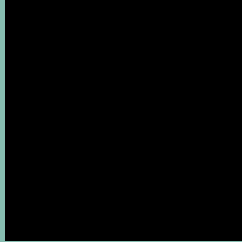
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.1694, 0.2795, 0.3463**

## Background



This preview shows how black text looks on a background with the Yxy color 44.1694, 0.2795, 0.3463.

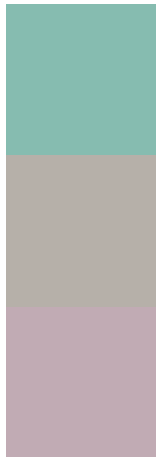


This preview shows how white text looks on a background with the Yxy color 44.1694, 0.2795, 0.3463.

# 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

44.1694, 0.2795, 0.3463

### Protanopia

43.8603, 0.3238, 0.3384

### Deuteranopia

43.7586, 0.3250, 0.3175



## Tritanopia

44.3104, 0.2675, 0.3095

# Trichromacy



## Original Color

44.1694, 0.2795, 0.3463

## Protanomaly

43.6204, 0.3062, 0.3400

## Deuteranomaly

43.4696, 0.3068, 0.3263

## Tritanomaly

44.1978, 0.2715, 0.3218

# Monochromacy



## Original Color

44.1694, 0.2795, 0.3463

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.5909, 0.2995, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1694, 0.2795, 0.3463 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(134, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(134, 188, 176)  
}
```

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(134, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 188, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1694, 0.2795, 0.3463 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(134, 188, 176) }
```

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

```
.border{ border-color:rgb(134, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 188, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 188, 176);  
box-shadow:4px 4px 4px 4px rgb(134, 188,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1694, 0.2795, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 188, 176) }
```

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

```
.background{ background-color: rgb(134,  
188, 176) }
```

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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