

Converting Colors

$Y_{xy}(44.8214, 0.2676, 0.3734)$

Have a look what the booklet for
Yxy(44.8214, 0.2676, 0.3734)
contains.

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Color

Yxy(44.7264, 0.2679, 0.3732)

Conversions

Conversions Part 1

Format	Color
Hex	68C3A6
RGB	104, 195, 166
RGB Percent	41%, 76%, 65%
CMY	0.5921, 0.2353, 0.3491
CMYK	0.47, 0.00, 0.15, 0.24
HSL	161°, 43%, 59%
HSV	161°, 47%, 76%
XYZ	32.1067, 44.7264, 43.0126
YIQ	164.4850, -44.9270, -28.3110

Conversions

Conversions Part 2

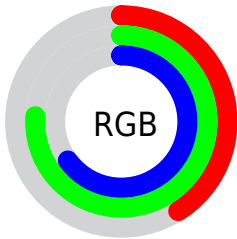
Format	Color
RYB	104, 158, 195
Decimal	6865830
CIELab	72.71, -34.16, 6.20
CIELCh	73, 34.714, 169.709
Yxy	44.7264, 0.2679, 0.3732
Android (android.graphics.Color)	4285055910 (0xFF68C3A6)
YUV	164.4850, 0.7469, -53.0453
Hunter-Lab	66.8778, -31.3420, 8.6820

Details

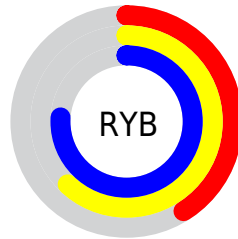
The Yxy color **44.7264, 0.2679, 0.3732** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **23.1987, 0.3967, 0.2904**, and the grayscale version is **37.3813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3148, 0.2763, 0.3647**, and **20.8455, 0.2546, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **43.4703, 0.2614, 0.3847**, and if you desaturate by 10%, it is **46.2669, 0.2758, 0.3623**.

Distribution



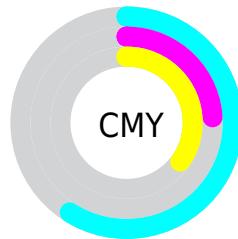
- Red (41%)
- Green (76%)
- Blue (65%)



- Red (41%)
- Yellow (62%)
- Blue (76%)



- Cyan (47%)
- Magenta (0%)
- Yellow (15%)
- Black (24%)



- Cyan (59%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.7264, 0.2679, 0.3732 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 44.7264, 0.2679, 0.3732 by changing the saturation by 10% instead.


 44.7264, 0.2679,
0.3732


 44.7264, 0.2679,
0.3732


365.6643, 0.2907,
0.3504

 31.2420, 0.2621,
0.3791


 82.3097, 0.2763,
0.3647

 20.7832, 0.2546,
0.3869


 107.1774, 0.2794,
0.3616

 12.9656, 0.2445,
0.3975


 136.6082, 0.2820,
0.3590

 7.4049, 0.2303,
0.4127

 170.9867, 0.2842,
0.3568

 3.7166, 0.2087,
0.4365

210.6971, 0.2862,
0.3548

 1.5163, 0.1612,
0.4852

256.1239, 0.2879,

 0.3002, 0.0000,

0.3532

1.0000

307.6516, 0.2893,
0.3517

■ 0.0000, 0.0000,
0.0000

■ 44.7264, 0.2679,
0.3732

■ 44.7264, 0.2679,
0.3732

■ 43.4703, 0.2614,
0.3847

■ 46.2669, 0.2758,
0.3623

■ 42.4742, 0.2567,
0.3966

■ 48.1037, 0.2849,
0.3521

■ 41.7185, 0.2539,
0.4088


■ 50.2543, 0.2949,
0.3428

■ 41.1783, 0.2531,
0.4209

■ 52.7334, 0.3055,
0.3342

■ 40.8204, 0.2542,
0.4329

■ 55.5548, 0.3164,
0.3265

 40.7206, 0.2547,
0.4369

 58.7314, 0.3274,
0.3197

 62.2753, 0.3383,
0.3136

 65.2357, 0.3451,
0.3079

 65.5629, 0.3402,
0.3017

Harmonies

Analogous

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



44.7264, 0.3137, 0.4094



44.7264, 0.2679, 0.3732



44.7264, 0.2356, 0.3241

Triad

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



44.7264, 0.2679, 0.3732



44.7264, 0.2610, 0.2508



44.7264, 0.4111, 0.3645

Complementary

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



44.7264, 0.2679, 0.3732



23.1987, 0.3967, 0.2904

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.



44.7264, 0.3956, 0.3254



44.7264, 0.2679, 0.3732



44.7264, 0.3054, 0.2629

Square

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



44.7264, 0.2679, 0.3732



44.7264, 0.2321, 0.2565



44.7264, 0.3556, 0.2894



44.7264, 0.3978, 0.3988

Rectangle

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



44.7264, 0.2679, 0.3732



44.7264, 0.2250, 0.2942



44.7264, 0.3556, 0.2894



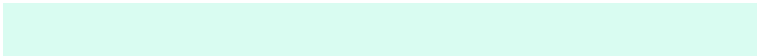
44.7264, 0.4092, 0.3516

Sweetspot

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



44.7282, 0.2679, 0.3732



91.0336, 0.2975, 0.3406



45.1277, 0.3283, 0.4645



19.7321, 0.2952, 0.3425



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.



44.7282, 0.2679, 0.3732



77.8118, 0.2613, 0.3849



39.4608, 0.2471, 0.3062



11.3720, 0.3026, 0.3364



26.4810, 0.2543, 0.4353



1.1563, 0.2468, 0.4086

Inverse Universe

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



23.1987, 0.3967, 0.2904



34.5709, 0.4262, 0.2833



25.8372, 0.4280, 0.3497



10.1296, 0.3240, 0.3217



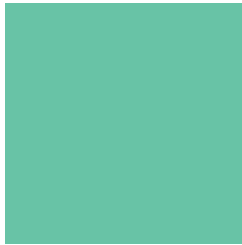
7.7817, 0.5668, 0.2896



0.3490, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 44.7264, 0.2679, 0.3732 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 44.7264, 0.2679, 0.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

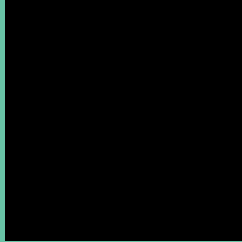
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7264, 0.2679, 0.3732

Background



This preview shows how black text looks on a background with the Yxy color 44.7264, 0.2679, 0.3732.

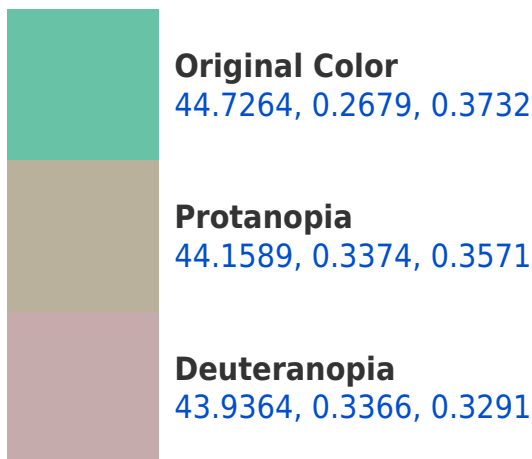


This preview shows how white text looks on a background with the Yxy color 44.7264, 0.2679, 0.3732.

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





Tritanopia

44.8795, 0.2502, 0.3076

Trichromacy



Original Color

44.7264, 0.2679, 0.3732



Protanomaly

43.8870, 0.3078, 0.3631



Deuteranomaly

43.2936, 0.3069, 0.3443



Tritanomaly

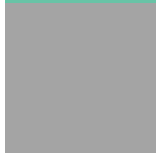
44.8404, 0.2564, 0.3303

Monochromacy



Original Color

44.7264, 0.2679, 0.3732



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.1273, 0.2924, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7264, 0.2679, 0.3732 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(104, 195, 166)` looks like.

```
.text, #text, p{  
    color:rgb(104, 195, 166)  
}
```

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(104, 195, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 195, 166) }
```

Border

The CSS property to change the border of an element to Yxy 44.7264, 0.2679, 0.3732 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(104, 195, 166) }
```

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

```
.border{ border-color:rgb(104, 195, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 195, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 195, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 195, 166);  
box-shadow:4px 4px 4px 4px rgb(104, 195,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7264, 0.2679, 0.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 195, 166) }
```

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

```
.background{ background-color: rgb(104,  
195, 166) }
```

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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