

Converting Colors

$Yxy(43.9343, 0.2721, 0.3738)$

Have a look what the booklet for
Yxy(43.9343, 0.2721, 0.3738)
contains.

Yxy(44.0355, 0.2723, 0.3748)	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(44.0355, 0.2723, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	6DC1A3
RGB	109, 193, 163
RGB Percent	43%, 76%, 64%
CMY	0.5723, 0.2432, 0.3608
CMYK	0.43, 0.00, 0.16, 0.24
HSL	159°, 40%, 59%
HSV	159°, 43%, 76%
XYZ	31.9927, 44.0355, 41.4625
YIQ	164.4640, -40.4340, -27.1380

Conversions

Conversions Part 2

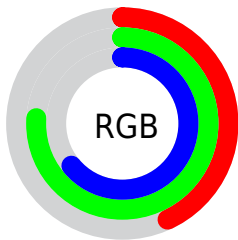
Format	Color
RYB	109, 160, 193
Decimal	7192995
CIELab	72.25, -32.59, 7.19
CIELCh	72, 33.373, 167.551
Yxy	44.0355, 0.2723, 0.3748
Android (android.graphics.Color)	4285383075 (0xFF6DC1A3)
YUV	164.4640, -0.7218, -48.6419
Hunter-Lab	66.3592, -30.0714, 9.4060

Details

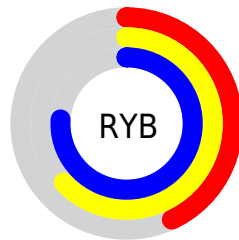
The Yxy color **44.0355, 0.2723, 0.3748** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **24.1531, 0.3839, 0.2886**, and the grayscale version is **37.3823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3257, 0.2797, 0.3660**, and **20.3972, 0.2606, 0.3902** is the 20% darker color. If you saturate the color by 10%, you get **42.7033, 0.2657, 0.3876**, and if you desaturate by 10%, it is **45.6535, 0.2803, 0.3627**.

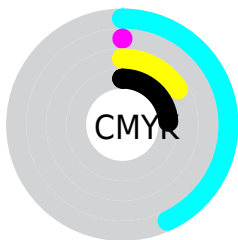
Distribution



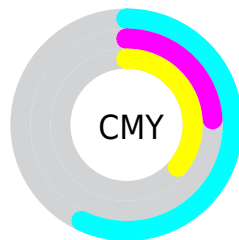
- Red (43%)
- Green (76%)
- Blue (64%)



- Red (43%)
- Yellow (63%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (16%)
- Black (24%)





- Cyan (57%)
- Magenta (24%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0355, 0.2723, 0.3748 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 44.0355, 0.2723, 0.3748 by changing the saturation by 10% instead.

 44.0355, 0.2723,
0.3748


 44.0355, 0.2723,
0.3748

362.8531, 0.2930,
0.3510


 30.6984, 0.2670,
0.3810


 81.2712, 0.2799,
0.3659

 20.3693, 0.2601,
0.3892


 105.9385, 0.2827,
0.3627

 12.6638, 0.2508,
0.4004

 135.1514, 0.2851,
0.3600

 7.1974, 0.2375,
0.4166

 169.2943, 0.2872,
0.3576

 3.5859, 0.2171,
0.4423

208.7515, 0.2889,
0.3556

 1.4447, 0.1695,
0.4961

253.9075, 0.2904,

 0.2493, 0.0000,

0.3539

1.0000

305.1465, 0.2918,
0.3524

■ 0.0000, 0.0000,
0.0000

■ 44.0355, 0.2723,
0.3748

■ 44.0355, 0.2723,
0.3748

■ 42.7033, 0.2657,
0.3876

■ 45.6535, 0.2803,
0.3627

■ 41.6337, 0.2607,
0.4010

■ 47.5683, 0.2892,
0.3516

■ 40.8081, 0.2576,
0.4147


■ 49.7968, 0.2989,
0.3413

■ 40.2036, 0.2564,
0.4285


■ 52.3530, 0.3091,
0.3320


■ 39.7922, 0.2573,
0.4421

■ 55.2502, 0.3195,
0.3237

 39.5936, 0.2586,
0.4508

 58.5008, 0.3299,
0.3163

 62.1165, 0.3402,
0.3097

 64.4691, 0.3435,
0.3034

 64.8382, 0.3380,
0.2965

Harmonies

Analogous

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



44.0355, 0.3173, 0.4080



44.0355, 0.2723, 0.3748



44.0355, 0.2397, 0.3278

Triad

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



44.0355, 0.2723, 0.3748



44.0355, 0.2601, 0.2530



44.0355, 0.4077, 0.3609

Complementary

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



44.0355, 0.2723, 0.3748



24.1531, 0.3839, 0.2886

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.



44.0355, 0.3906, 0.3230



44.0355, 0.2723, 0.3748



44.0355, 0.3023, 0.2635

Square

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



44.0355, 0.2723, 0.3748



44.0355, 0.2333, 0.2600



44.0355, 0.3508, 0.2884



44.0355, 0.3968, 0.3947

Rectangle

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



44.0355, 0.2723, 0.3748



44.0355, 0.2284, 0.2983



44.0355, 0.3508, 0.2884



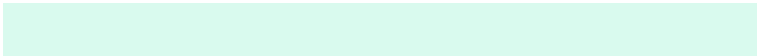
44.0355, 0.4051, 0.3483

Sweetspot

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



44.0373, 0.2723, 0.3748



89.3142, 0.2992, 0.3410



44.8046, 0.3300, 0.4533



18.9587, 0.2970, 0.3432



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.



44.0373, 0.2723, 0.3748



76.6324, 0.2661, 0.3867



40.4809, 0.2517, 0.3122



11.3654, 0.3031, 0.3374



26.3516, 0.2581, 0.4491



1.1513, 0.2497, 0.4190

Inverse Universe

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



24.1531, 0.3839, 0.2886



36.4946, 0.4077, 0.2807



25.9361, 0.4185, 0.3446



10.1360, 0.3234, 0.3208



7.8403, 0.5522, 0.2816



0.3520, 0.4899, 0.2473

Previews

White Background



This preview shows how the Yxy color 44.0355, 0.2723, 0.3748 looks on a white background.

Color Contrast Check

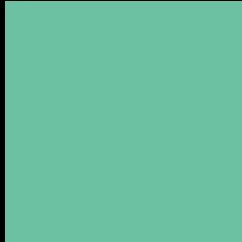
Large Text (above 18pt) WCAG AA × Fail

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 44.0355, 0.2723, 0.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

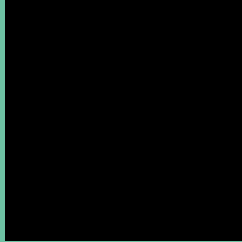
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.0355, 0.2723, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 44.0355, 0.2723, 0.3748.

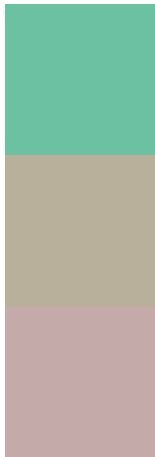


This preview shows how white text looks on a background with the Yxy color 44.0355, 0.2723, 0.3748.

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

44.0355, 0.2723, 0.3748

Protanopia

43.5741, 0.3384, 0.3586

Deuteranopia

43.3124, 0.3385, 0.3317



Tritanopia

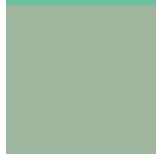
43.7744, 0.2529, 0.3062

Trichromacy



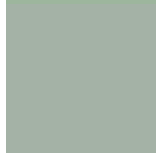
Original Color

44.0355, 0.2723, 0.3748



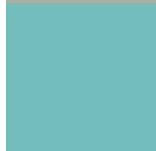
Protanomaly

43.0583, 0.3110, 0.3647



Deuteranomaly

42.4865, 0.3102, 0.3458



Tritanomaly

43.6709, 0.2598, 0.3303

Monochromacy



Original Color

44.0355, 0.2723, 0.3748



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

39.2696, 0.2948, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0355, 0.2723, 0.3748 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(109, 193, 163)` looks like.

```
.text, #text, p{  
    color:rgb(109, 193, 163)  
}
```

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(109, 193, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 193, 163) }
```

Border

The CSS property to change the border of an element to Yxy 44.0355, 0.2723, 0.3748 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(109, 193, 163) }
```

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

```
.border{ border-color:rgb(109, 193, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 193, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 193, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 193, 163);  
box-shadow:4px 4px 4px 4px rgb(109, 193,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0355, 0.2723, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 193, 163) }
```

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

```
.background{ background-color: rgb(109,  
193, 163) }
```

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