

Converting Colors

$Yxy(43.4265, 0.2728, 0.3937)$

Have a look what the booklet for
Yxy(43.4265, 0.2728, 0.3937)
contains.

Yxy(43.5361, 0.2728, 0.3934)	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(43.5361, 0.2728, 0.3934)

Conversions

Conversions Part 1

Format	Color
Hex	63C299
RGB	99, 194, 153
RGB Percent	39%, 76%, 60%
CMY	0.6116, 0.2392, 0.4001
CMYK	0.49, 0.00, 0.21, 0.24
HSL	154°, 44%, 57%
HSV	154°, 49%, 76%
XYZ	30.1898, 43.5361, 36.9404
YIQ	160.9210, -43.4590, -32.8910

Conversions

Conversions Part 2

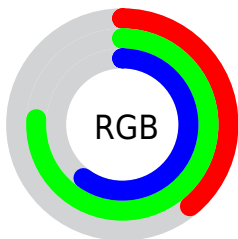
Format	Color
RYB	99, 160, 194
Decimal	6537881
CIELab	71.92, -37.81, 12.09
CIElCh	72, 39.692, 162.264
Yxy	43.5361, 0.2728, 0.3934
Android (android.graphics.Color)	4284727961 (0xFF63C299)
YUV	160.9210, -3.9051, -54.3047
Hunter-Lab	65.9819, -33.7963, 12.9934

Details

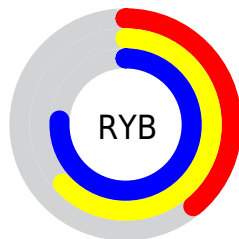
The Yxy color **43.5361, 0.2728, 0.3934** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **22.2980, 0.3872, 0.2745**, and the grayscale version is **35.6413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.4679, 0.2807, 0.3810**, and **20.1666, 0.2602, 0.4148** is the 20% darker color. If you saturate the color by 10%, you get **42.3054, 0.2677, 0.4096**, and if you desaturate by 10%, it is **45.0522, 0.2793, 0.3781**.

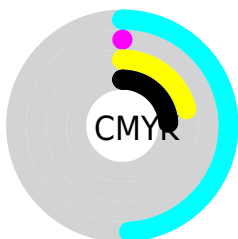
Distribution



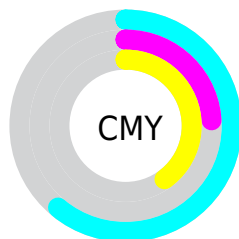
- Red (39%)
- Green (76%)
- Blue (60%)



- Red (39%)
- Yellow (63%)
- Blue (76%)



- Cyan (49%)
- Magenta (0%)
- Yellow (21%)
- Black (24%)





- Cyan (61%)
- Magenta (24%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.5361, 0.2728, 0.3934 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 43.5361, 0.2728, 0.3934 by changing the saturation by 10% instead.


 43.5361, 0.2728,
0.3934


 43.5361, 0.2728,
0.3934


360.8119, 0.2936,
0.3595


 30.3060, 0.2673,
0.4025


 80.5192, 0.2806,
0.3806

 20.0709, 0.2602,
0.4144


 105.0410, 0.2834,
0.3760

 12.4466, 0.2503,
0.4310


 134.0955, 0.2858,
0.3721

 7.0486, 0.2360,
0.4555

 168.0670, 0.2878,
0.3688

 3.4925, 0.2136,
0.4947

207.3401, 0.2896,
0.3660

 1.3940, 0.1429,
0.6018

252.2989, 0.2911,

 0.2123, 0.0000,

0.3635

1.0000

303.3281, 0.2924,
0.3614

0.0000, 0.0000,
0.0000

43.5361, 0.2728,
0.3934

43.5361, 0.2728,
0.3934

42.3054, 0.2677,
0.4096

45.0522, 0.2793,
0.3781

41.3354, 0.2643,
0.4263

46.8662, 0.2870,
0.3637

40.6057, 0.2629,
0.4432


48.9957, 0.2955,
0.3506


40.0904, 0.2634,
0.4598

51.4558, 0.3045,
0.3386


39.7457, 0.2658,
0.4760

54.2605, 0.3137,
0.3279

 39.7130, 0.2660,
0.4777

 57.4229, 0.3230,
0.3184

 60.9554, 0.3322,
0.3099

 64.8699, 0.3412,
0.3025

 65.4672, 0.3353,
0.2943

Harmonies

Analogous

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



43.5361, 0.3271, 0.4284



43.5361, 0.2728, 0.3934



43.5361, 0.2316, 0.3369

Triad

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



43.5361, 0.2728, 0.3934



43.5361, 0.2434, 0.2397



43.5361, 0.4250, 0.3574

Complementary

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



43.5361, 0.2728, 0.3934



22.2980, 0.3872, 0.2745

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.



43.5361, 0.3991, 0.3135



43.5361, 0.2728, 0.3934



43.5361, 0.2901, 0.2489

Square

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



43.5361, 0.2728, 0.3934



43.5361, 0.2164, 0.2509



43.5361, 0.3478, 0.2751



43.5361, 0.4169, 0.3992

Rectangle

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



43.5361, 0.2728, 0.3934



43.5361, 0.2160, 0.3001



43.5361, 0.3478, 0.2751



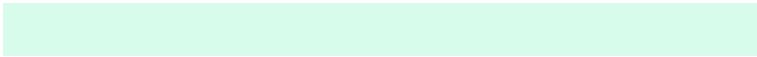
43.5361, 0.4200, 0.3426

Sweetspot

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



43.5379, 0.2728, 0.3934



90.3492, 0.2988, 0.3460



45.0773, 0.3365, 0.4682



19.5825, 0.2968, 0.3486



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.



43.5379, 0.2728, 0.3934



76.4527, 0.2673, 0.4112



42.3757, 0.2472, 0.3194



11.3525, 0.3041, 0.3391



26.1272, 0.2654, 0.4756



1.1425, 0.2554, 0.4393

Inverse Universe

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



22.2980, 0.3872, 0.2745



33.4023, 0.4137, 0.2644



22.5519, 0.4433, 0.3378



10.1485, 0.3223, 0.3191



7.9754, 0.5221, 0.2650



0.3584, 0.4662, 0.2342

Previews

White Background



This preview shows how the Yxy color 43.5361, 0.2728, 0.3934 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 43.5361, 0.2728, 0.3934 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

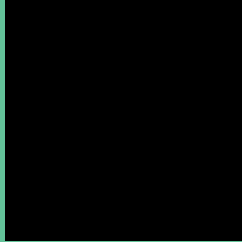
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.5361, 0.2728, 0.3934

Background



This preview shows how black text looks on a background with the Yxy color 43.5361, 0.2728, 0.3934.



This preview shows how white text looks on a background with the Yxy color 43.5361, 0.2728, 0.3934.

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

43.5361, 0.2728, 0.3934

Protanopia

42.9878, 0.3483, 0.3709

Deuteranopia

42.8503, 0.3497, 0.3433



Tritanopia

43.3156, 0.2500, 0.3073

Trichromacy



Original Color

43.5361, 0.2728, 0.3934



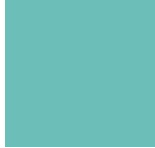
Protanomaly

42.4325, 0.3163, 0.3799



Deuteranomaly

41.9225, 0.3165, 0.3603



Tritanomaly

43.4757, 0.2583, 0.3378

Monochromacy



Original Color

43.5361, 0.2728, 0.3934



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

37.7590, 0.2944, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.5361, 0.2728, 0.3934 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(99, 194, 153)` looks like.

```
.text, #text, p{  
    color:rgb(99, 194, 153)  
}
```

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(99, 194, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 194, 153) }
```

Border

The CSS property to change the border of an element to Yxy 43.5361, 0.2728, 0.3934 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(99, 194, 153) }
```

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

```
.border{ border-color:rgb(99, 194, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 194, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 194, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 194, 153);  
box-shadow:4px 4px 4px 4px rgb(99, 194,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 43.5361, 0.2728, 0.3934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 194, 153) }
```

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

```
.background{ background-color: rgb(99, 194,  
153) }
```

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