

Converting Colors

$Yxy(40.1569, 0.2469, 0.3291)$

Have a look what the booklet for
Yxy(40.1569, 0.2469, 0.3291)
contains.

Yxy(40.2825, 0.2470, 0.3304)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.2825, 0.2470, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	59B9B8
RGB	89, 185, 184
RGB Percent	35%, 73%, 72%
CMY	0.6512, 0.2745, 0.2785
CMYK	0.52, 0.00, 0.01, 0.27
HSL	179°, 41%, 54%
HSV	179°, 52%, 73%
XYZ	30.1143, 40.2825, 51.5236
YIQ	156.1820, -56.8950, -20.6630

Conversions

Conversions Part 2

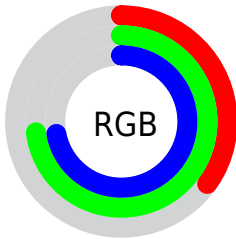
Format	Color
RYP	89, 137, 185
Decimal	5880248
CIELab	69.67, -28.40, -8.14
CIElCh	70, 29.549, 196.000
Yxy	40.2825, 0.2470, 0.3304
Android (android.graphics.Color)	4284070328 (0xFF59B9B8)
YUV	156.1820, 13.7143, -58.9186
Hunter-Lab	63.4685, -26.3757, -3.7035

Details

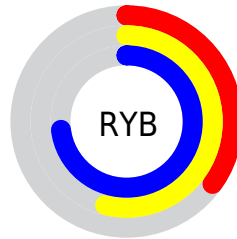
The Yxy color **40.2825, 0.2470, 0.3304** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.1889, 0.4585, 0.3280**, and the grayscale version is **33.2818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4049, 0.2592, 0.3300**, and **18.0200, 0.2281, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **39.4733, 0.2391, 0.3307**, and if you desaturate by 10%, it is **41.3248, 0.2567, 0.3301**.

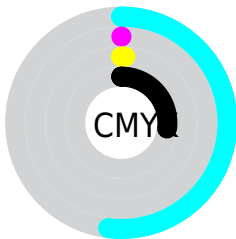
Distribution



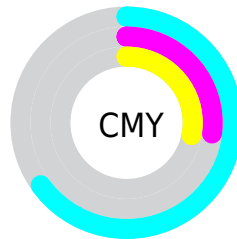
- Red (35%)
- Green (73%)
- Blue (72%)



- Red (35%)
- Yellow (54%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)





- Cyan (65%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2825, 0.2470, 0.3304 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 40.2825, 0.2470, 0.3304 by changing the saturation by 10% instead.


 40.2825, 0.2470,
0.3304

 40.2825, 0.2470,
0.3304


347.3128, 0.2800,
0.3304


 27.7589, 0.2388,
0.3302


 75.5935, 0.2590,
0.3306


 18.1440, 0.2282,
0.3297


 99.1497, 0.2635,
0.3306

 11.0534, 0.2141,
0.3288


 127.1521, 0.2673,
0.3306

 6.1028, 0.1947,
0.3270

 159.9853, 0.2706,
0.3306

 2.9077, 0.1663,
0.3230

198.0336, 0.2734,
0.3305

 1.0837, 0.0963,
0.3219

241.6813, 0.2759,

 0.0000, 0.0000,

0.3305

0.0000

291.3129, 0.2781,
0.3305

■ 40.2825, 0.2470,
0.3304

■ 40.2825, 0.2470,
0.3304

■ 39.4733, 0.2391,
0.3307

■ 41.3248, 0.2567,
0.3301

■ 38.8748, 0.2331,
0.3311

■ 42.6112, 0.2681,
0.3298

■ 38.4687, 0.2290,
0.3314

■ 44.1577, 0.2809,
0.3295

■ 38.2308, 0.2266,
0.3317

■ 45.9775, 0.2949,
0.3293

■ 38.1231, 0.2256,
0.3320

■ 48.0831, 0.3098,
0.3290

■ 50.4859, 0.3252,
0.3288

■ 53.1969, 0.3410,
0.3287

■ 56.2266, 0.3569,
0.3285

■ 59.4986, 0.3722,
0.3284

Harmonies

Analogous

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



40.2825, 0.2779, 0.3726



40.2825, 0.2470, 0.3304



40.2825, 0.2334, 0.2915

Triad

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



40.2825, 0.2470, 0.3304



40.2825, 0.3012, 0.2679



40.2825, 0.3907, 0.3881

Complementary

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



40.2825, 0.2470, 0.3304



18.1889, 0.4585, 0.3280

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.



40.2825, 0.3991, 0.3570



40.2825, 0.2470, 0.3304



40.2825, 0.3454, 0.2903

Square

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



40.2825, 0.2470, 0.3304



40.2825, 0.2629, 0.2590



40.2825, 0.3822, 0.3220



40.2825, 0.3610, 0.4061

Rectangle

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



40.2825, 0.2470, 0.3304



40.2825, 0.2350, 0.2731



40.2825, 0.3822, 0.3220



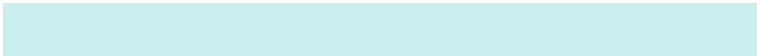
40.2825, 0.3962, 0.3787

Sweetspot

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



40.2841, 0.2470, 0.3304



80.8585, 0.2887, 0.3294



37.6246, 0.3061, 0.4917



17.2891, 0.2859, 0.3294



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.2841, 0.2470, 0.3304



70.5512, 0.2384, 0.3308



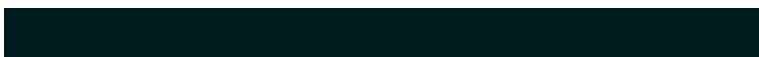
23.9679, 0.2311, 0.2513



10.2089, 0.2987, 0.3292



25.9552, 0.2255, 0.3320



0.9155, 0.2253, 0.3311

Inverse Universe

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



18.1889, 0.4585, 0.3280



26.7544, 0.5094, 0.3281



28.4694, 0.4221, 0.3936



9.0137, 0.3286, 0.3288



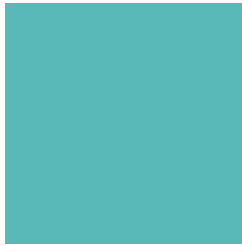
7.0268, 0.6387, 0.3292



0.2482, 0.6330, 0.3261

Previews

White Background



This preview shows how the Yxy color 40.2825, 0.2470, 0.3304 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 40.2825, 0.2470, 0.3304 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

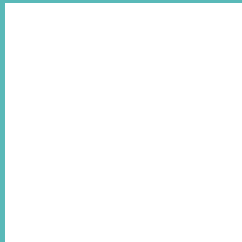
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.2825, 0.2470, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 40.2825, 0.2470, 0.3304.

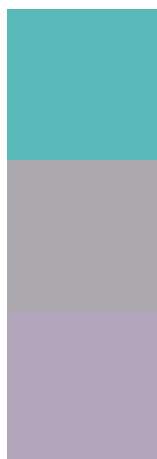


This preview shows how white text looks on a background with the Yxy color 40.2825, 0.2470, 0.3304.

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

40.2825, 0.2470, 0.3304

Protanopia

39.7192, 0.3104, 0.3207

Deuteranopia

39.8882, 0.3042, 0.2984



Tritanopia

40.3239, 0.2412, 0.3064

Trichromacy



Original Color

40.2825, 0.2470, 0.3304

Protanomaly

39.1492, 0.2819, 0.3231

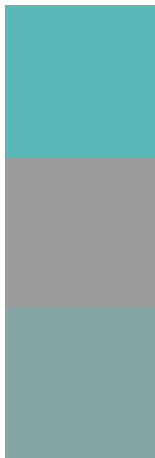
Deuteranomaly

39.1126, 0.2783, 0.3075

Tritanomaly

40.4065, 0.2432, 0.3152

Monochromacy



Original Color

40.2825, 0.2470, 0.3304

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.2961, 0.2829, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2825, 0.2470, 0.3304 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(89, 185, 184)` looks like.

```
.text, #text, p{  
    color:rgb(89, 185, 184)  
}
```

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(89, 185, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 185, 184) }
```

Border

The CSS property to change the border of an element to Yxy 40.2825, 0.2470, 0.3304 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(89, 185, 184) }
```

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

```
.border{ border-color:rgb(89, 185, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 185, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 185, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 185, 184);  
box-shadow:4px 4px 4px 4px rgb(89, 185,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2825, 0.2470, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 185, 184) }
```

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

```
.background{ background-color: rgb(89, 185,  
184) }
```

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