

Converting Colors

$Yxy(40.4267, 0.2543, 0.3309)$

Have a look what the booklet for
Yxy(40.4267, 0.2543, 0.3309)
contains.

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Color

Yxy(40.4832, 0.2547, 0.3319)

Conversions

Conversions Part 1

Format	Color
Hex	66B8B6
RGB	102, 184, 182
RGB Percent	40%, 72%, 71%
CMY	0.5998, 0.2784, 0.2863
CMYK	0.45, 0.00, 0.01, 0.28
HSL	179°, 37%, 56%
HSV	179°, 45%, 72%
XYZ	31.0668, 40.4832, 50.4241
YIQ	159.2540, -48.2300, -18.0060

Conversions

Conversions Part 2

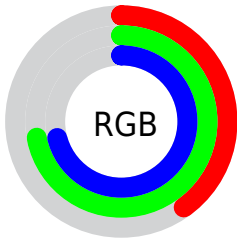
Format	Color
RYB	102, 144, 184
Decimal	6731958
CIELab	69.81, -25.46, -6.78
CIElCh	70, 26.348, 194.918
Yxy	40.4832, 0.2547, 0.3319
Android (android.graphics.Color)	4284922038 (0xFF66B8B6)
YUV	159.2540, 11.2138, -50.2118
Hunter-Lab	63.6264, -24.1902, -2.4490

Details

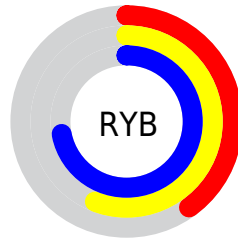
The Yxy color **40.4832, 0.2547, 0.3319** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.7051, 0.4262, 0.3265**, and the grayscale version is **34.7639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7623, 0.2653, 0.3312**, and **18.3531, 0.2381, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **39.5070, 0.2455, 0.3327**, and if you desaturate by 10%, it is **41.7012, 0.2656, 0.3312**.

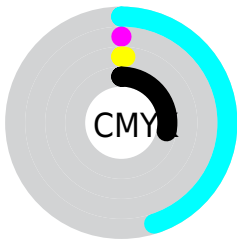
Distribution



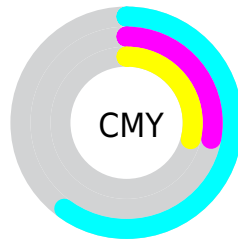
- Red (40%)
- Green (72%)
- Blue (71%)



- Red (40%)
- Yellow (56%)
- Blue (72%)



- Cyan (45%)
- Magenta (0%)
- Yellow (1%)
- Black (28%)





- Cyan (60%)
- Magenta (28%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4832, 0.2547, 0.3319 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 40.4832, 0.2547, 0.3319 by changing the saturation by 10% instead.


 40.4832, 0.2547,
0.3319


 40.4832, 0.2547,
0.3319


348.1560, 0.2839,
0.3310

 27.9155, 0.2474,
0.3320


 75.8988, 0.2654,
0.3317

 18.2620, 0.2379,
0.3319


 99.5154, 0.2693,
0.3316

 11.1382, 0.2254,
0.3317


 127.5838, 0.2727,
0.3315

 6.1599, 0.2079,
0.3309

 160.4883, 0.2756,
0.3313

 2.9425, 0.1819,
0.3287

198.6134, 0.2781,
0.3312

 1.1018, 0.1227,
0.3290

242.3435, 0.2803,

 0.0000, 0.0000,

0.3311

0.0000

292.0629, 0.2822,
0.3311

■ 40.4832, 0.2547,
0.3319

■ 40.4832, 0.2547,
0.3319

■ 39.5070, 0.2455,
0.3327

■ 41.7012, 0.2656,
0.3312

■ 38.7520, 0.2382,
0.3334

■ 43.1708, 0.2779,
0.3305

■ 38.2018, 0.2328,
0.3342


■ 44.9069, 0.2914,
0.3298

■ 37.8358, 0.2292,
0.3350

■ 46.9220, 0.3059,
0.3293


■ 37.6289, 0.2273,
0.3358

■ 49.2276, 0.3211,
0.3287

 37.5539, 0.2267,
0.3362

 51.8347, 0.3366,
0.3282

 54.7538, 0.3522,
0.3278

 57.9948, 0.3677,
0.3275

 59.0871, 0.3722,
0.3270

Harmonies

Analogous

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



40.4832, 0.2830, 0.3687



40.4832, 0.2547, 0.3319



40.4832, 0.2417, 0.2970

Triad

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



40.4832, 0.2547, 0.3319



40.4832, 0.3012, 0.2735



40.4832, 0.3830, 0.3813

Complementary

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



40.4832, 0.2547, 0.3319



20.7051, 0.4262, 0.3265

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.



40.4832, 0.3894, 0.3535



40.4832, 0.2547, 0.3319



40.4832, 0.3405, 0.2935

Square

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



40.4832, 0.2547, 0.3319



40.4832, 0.2672, 0.2662



40.4832, 0.3736, 0.3219



40.4832, 0.3572, 0.3973

Rectangle

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



40.4832, 0.2547, 0.3319



40.4832, 0.2427, 0.2799



40.4832, 0.3736, 0.3219



40.4832, 0.3875, 0.3729

Sweetspot

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



40.4848, 0.2547, 0.3319



81.8600, 0.2933, 0.3298



38.2308, 0.3083, 0.4651



17.4858, 0.2902, 0.3299



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.



40.4848, 0.2547, 0.3319



71.7218, 0.2461, 0.3326



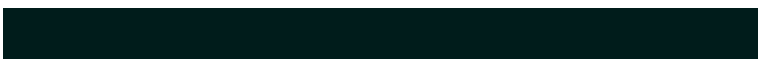
26.7723, 0.2429, 0.2667



10.2067, 0.2989, 0.3295



25.8844, 0.2267, 0.3361



0.9137, 0.2261, 0.3341

Inverse Universe

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



20.7051, 0.4262, 0.3265



31.4629, 0.4648, 0.3261



29.9934, 0.4035, 0.3831



9.0157, 0.3284, 0.3285



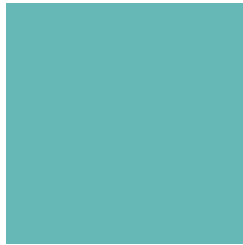
7.0315, 0.6369, 0.3282



0.2491, 0.6242, 0.3212

Previews

White Background



This preview shows how the Yxy color 40.4832, 0.2547, 0.3319 looks on a white background.

Color Contrast Check

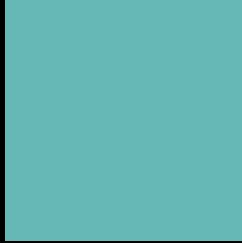
Large Text (above 18pt) WCAG AA × Fail

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 40.4832, 0.2547, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

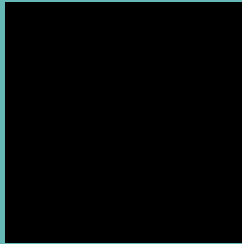
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

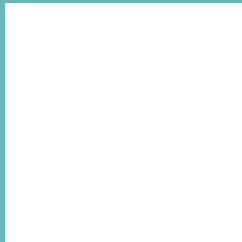
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4832, 0.2547, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 40.4832, 0.2547, 0.3319.

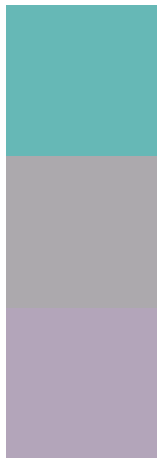


This preview shows how white text looks on a background with the Yxy color 40.4832, 0.2547, 0.3319.

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

40.4832, 0.2547, 0.3319

Protanopia

40.1637, 0.3121, 0.3235

Deuteranopia

40.0391, 0.3076, 0.3011



Tritanopia

40.5056, 0.2482, 0.3081

Trichromacy



Original Color

40.4832, 0.2547, 0.3319

Protanomaly

39.6097, 0.2881, 0.3260

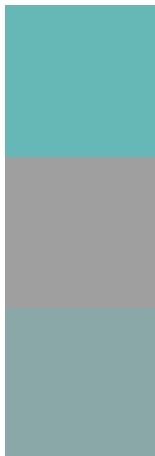
Deuteranomaly

39.5871, 0.2845, 0.3105

Tritanomaly

40.6318, 0.2508, 0.3169

Monochromacy



Original Color

40.4832, 0.2547, 0.3319

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.1986, 0.2872, 0.3304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4832, 0.2547, 0.3319 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(102, 184, 182)` looks like.

```
.text, #text, p{  
    color:rgb(102, 184, 182)  
}
```

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(102, 184, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 184, 182) }
```

Border

The CSS property to change the border of an element to Yxy 40.4832, 0.2547, 0.3319 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(102, 184, 182) }
```

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

```
.border{ border-color:rgb(102, 184, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 184, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 184, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 184, 182);  
box-shadow:4px 4px 4px 4px rgb(102, 184,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4832, 0.2547, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 184, 182) }
```

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

```
.background{ background-color: rgb(102,  
184, 182) }
```

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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