

Converting Colors

$Yxy(40.2405, 0.2797, 0.3854)$

Have a look what the booklet for
Yxy(40.2405, 0.2797, 0.3854)
contains.

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Color

Yxy(40.1511, 0.2794, 0.3847)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6DB996 |
| RGB | 109, 185, 150 |
| RGB Percent | 43%, 73%, 59% |
| CMY | 0.5725, 0.2745, 0.4118 |
| CMYK | 0.41, 0.00, 0.19, 0.27 |
| HSL | 152°, 35%, 58% |
| HSV | 152°, 41%, 73% |
| XYZ | 29.1609, 40.1511, 35.0578 |
| YIQ | 158.2860, -34.0610, -26.9970 |

Conversions

Conversions Part 2

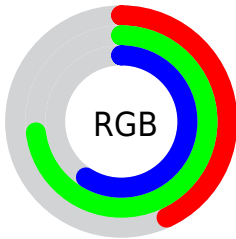
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 109, 158, 185 |
| Decimal | 7190934 |
| CIELab | 69.58, -31.64, 10.47 |
| CIELCh | 70, 33.324, 161.693 |
| Yxy | 40.1511, 0.2794, 0.3847 |
| Android (android.graphics.Color) | 4285381014 (0xFF6DB996) |
| YUV | 158.2860, -4.0850, -43.2238 |
| Hunter-Lab | 63.3649, -28.7417, 11.5521 |

Details

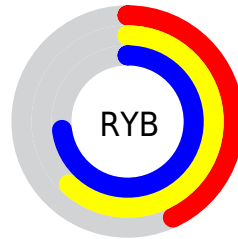
The Yxy color $40.1511, 0.2794, 0.3847$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $23.2713, 0.3673, 0.2801$, and the grayscale version is $34.3612, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.1627, 0.2863, 0.3732$, and $17.9457, 0.2682, 0.4030$ is the 20% darker color. If you saturate the color by 10%, you get $38.8353, 0.2734, 0.4013$, and if you desaturate by 10%, it is $41.7371, 0.2865, 0.3692$.

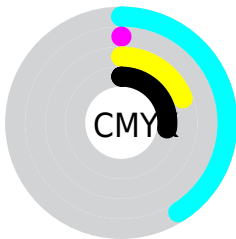
Distribution



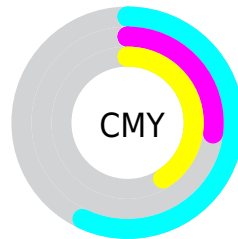
- Red (43%)
- Green (73%)
- Blue (59%)



- Red (43%)
- Yellow (62%)
- Blue (73%)



- Cyan (41%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)





- Cyan (57%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1511, 0.2794, 0.3847 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 40.1511, 0.2794, 0.3847 by changing the saturation by 10% instead.

 40.1511, 0.2794,
0.3847


 40.1511, 0.2794,
0.3847


346.7600, 0.2969,
0.3551

 27.6564, 0.2747,
0.3927


 75.3935, 0.2860,
0.3735


 18.0668, 0.2685,
0.4033


 98.9101, 0.2884,
0.3694

 10.9979, 0.2599,
0.4182


 126.8693, 0.2904,
0.3661

 6.0655, 0.2472,
0.4405

 159.6556, 0.2921,
0.3632

 2.8849, 0.2267,
0.4770

197.6535, 0.2936,
0.3607

 1.0720, 0.1361,
0.6196

241.2472, 0.2949,

 0.0000, 0.0000,

0.3586

0.0000

290.8213, 0.2960,
0.3568

■ 40.1511, 0.2794,
0.3847

■ 40.1511, 0.2794,
0.3847

■ 38.8353, 0.2734,
0.4013

■ 41.7371, 0.2865,
0.3692

■ 37.7687, 0.2689,
0.4187

■ 43.6031, 0.2945,
0.3549

■ 36.9352, 0.2661,
0.4367


■ 45.7642, 0.3030,
0.3419


■ 36.3144, 0.2653,
0.4546


■ 48.2332, 0.3118,
0.3302

■ 35.8824, 0.2664,
0.4722


■ 51.0220, 0.3206,
0.3198

 35.6137, 0.2687,
0.4873

 54.1418, 0.3294,
0.3105

 57.6034, 0.3380,
0.3024

 61.0312, 0.3446,
0.2951

 61.4898, 0.3377,
0.2868

Harmonies

Analogous

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



40.1511, 0.3268, 0.4141



40.1511, 0.2794, 0.3847



40.1511, 0.2428, 0.3372

Triad

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



40.1511, 0.2794, 0.3847



40.1511, 0.2518, 0.2508



40.1511, 0.4093, 0.3541

Complementary

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



40.1511, 0.2794, 0.3847



23.2713, 0.3673, 0.2801

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.



40.1511, 0.3864, 0.3153



40.1511, 0.2794, 0.3847



40.1511, 0.2926, 0.2584

Square

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



40.1511, 0.2794, 0.3847



40.1511, 0.2281, 0.2616



40.1511, 0.3423, 0.2814



40.1511, 0.4035, 0.3904

Rectangle

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



40.1511, 0.2794, 0.3847



40.1511, 0.2285, 0.3056



40.1511, 0.3423, 0.2814



40.1511, 0.4048, 0.3410

Sweetspot

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



40.1527, 0.2794, 0.3847



81.4984, 0.3020, 0.3433



41.7759, 0.3360, 0.4428



17.4571, 0.3009, 0.3449



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.



40.1527, 0.2794, 0.3847



69.8259, 0.2741, 0.3992



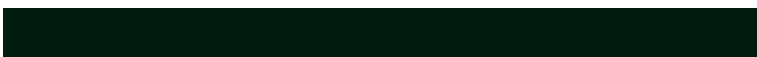
40.4039, 0.2565, 0.3250



10.1389, 0.3045, 0.3397



24.2639, 0.2681, 0.4852



0.8677, 0.2558, 0.4408

Inverse Universe

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



23.2713, 0.3673, 0.2801



35.6025, 0.3847, 0.2702



22.9092, 0.4144, 0.3329



9.0792, 0.3218, 0.3185



7.4871, 0.5095, 0.2580



0.2765, 0.4486, 0.2245

Previews

White Background



This preview shows how the Yxy color 40.1511, 0.2794, 0.3847 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 40.1511, 0.2794, 0.3847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

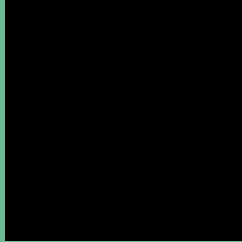
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1511, 0.2794, 0.3847

Background



This preview shows how black text looks on a background with the Yxy color 40.1511, 0.2794, 0.3847.



This preview shows how white text looks on a background with the Yxy color 40.1511, 0.2794, 0.3847.

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

40.1511, 0.2794, 0.3847

Protanopia

39.7939, 0.3449, 0.3667

Deuteranopia

39.6373, 0.3471, 0.3398



Tritanopia

40.0124, 0.2570, 0.3083

Trichromacy



Original Color

40.1511, 0.2794, 0.3847

Protanomaly

39.4766, 0.3177, 0.3735

Deuteranomaly

39.0028, 0.3188, 0.3551

Tritanomaly

39.8669, 0.2649, 0.3349

Monochromacy



Original Color

40.1511, 0.2794, 0.3847

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

35.9473, 0.2984, 0.3490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1511, 0.2794, 0.3847 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, 185, 150)` looks like.

```
.text, #text, p{  
    color:rgb(109, 185, 150)  
}
```

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, 185, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 185, 150) }
```

Border

The CSS property to change the border of an element to Yxy 40.1511, 0.2794, 0.3847 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, 185, 150) }
```

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

```
.border{ border-color:rgb(109, 185, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 185, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 185, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 185, 150);  
box-shadow:4px 4px 4px 4px rgb(109, 185,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1511, 0.2794, 0.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 185, 150) }
```

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

```
.background{ background-color: rgb(109,  
185, 150) }
```

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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