

Converting Colors

$Yxy(40.4534, 0.2865, 0.4281)$

Have a look what the booklet for
Yxy(40.4534, 0.2865, 0.4281)
contains.

Yxy(40.5504, 0.2871, 0.4291)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.5504, 0.2871, 0.4291)

Conversions

Conversions Part 1

Format	Color
Hex	62BD80
RGB	98, 189, 128
RGB Percent	38%, 74%, 50%
CMY	0.6157, 0.2588, 0.4980
CMYK	0.48, 0.00, 0.32, 0.26
HSL	140°, 41%, 56%
HSV	140°, 48%, 74%
XYZ	27.1313, 40.5504, 26.8194
YIQ	154.8370, -34.6550, -38.2630

Conversions

Conversions Part 2

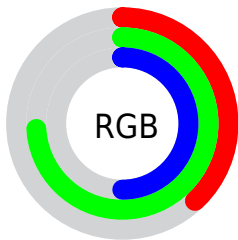
Format	Color
RYB	98, 166, 189
Decimal	6471040
CIELab	69.86, -40.87, 22.66
CIELCh	70, 46.733, 150.989
Yxy	40.5504, 0.2871, 0.4291
Android (android.graphics.Color)	4284661120 (0xFF62BD80)
YUV	154.8370, -13.2306, -49.8460
Hunter-Lab	63.6792, -35.3866, 19.6046

Details

The Yxy color $40.5504, 0.2871, 0.4291$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $22.0590, 0.3549, 0.2477$, and the grayscale version is $32.7749, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.1178, 0.2932, 0.4086$, and $18.3291, 0.2769, 0.4650$ is the 20% darker color. If you saturate the color by 10%, you get $39.3088, 0.2839, 0.4546$, and if you desaturate by 10%, it is $42.0852, 0.2914, 0.4047$.

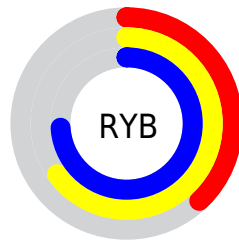
Distribution



Red (38%)

Green (74%)

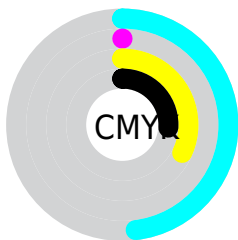
Blue (50%)



Red (38%)

Yellow (65%)

Blue (74%)

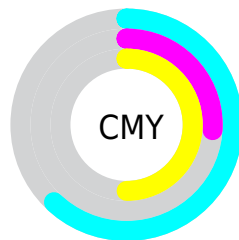


Cyan (48%)

Magenta (0%)

Yellow (32%)

Black (26%)



Cyan (62%)


Magenta (26%)

Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5504, 0.2871, 0.4291 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 40.5504, 0.2871, 0.4291 by changing the saturation by 10% instead.


 40.5504, 0.2871,
0.4291


 40.5504, 0.2871,
0.4291


348.4380, 0.3018,
0.3749


 27.9679, 0.2828,
0.4441


 76.0009, 0.2929,
0.4084


 18.3015, 0.2767,
0.4641


 99.6378, 0.2949,
0.4009

 11.1667, 0.2679,
0.4924


 127.7282, 0.2966,
0.3947

 6.1790, 0.2537,
0.5349

 160.6566, 0.2980,
0.3895

 2.9543, 0.2290,
0.6052

198.8074, 0.2991,
0.3850

 1.1079, 0.0347,
0.9653

242.5650, 0.3001,

 0.0000, 0.0000,

0.3812

0.0000

292.3137, 0.3010,
0.3779

■ 40.5504, 0.2871,
0.4291

■ 40.5504, 0.2871,
0.4291

■ 39.3088, 0.2839,
0.4546

■ 42.0852, 0.2914,
0.4047

■ 38.3361, 0.2820,
0.4804

■ 43.9258, 0.2965,
0.3820

■ 37.6123, 0.2818,
0.5055

■ 46.0897, 0.3021,
0.3613

■ 37.1121, 0.2833,
0.5287

■ 48.5919, 0.3079,
0.3426


■ 36.7968, 0.2863,
0.5490

■ 51.4464, 0.3138,
0.3261

 36.7477, 0.2868,
0.5525

 54.6663, 0.3196,
0.3115

 58.2642, 0.3252,
0.2988

 62.2518, 0.3305,
0.2876

 64.0692, 0.3254,
0.2762

Harmonies

Analogous

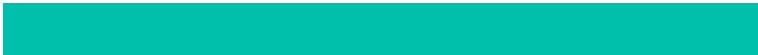
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5504, 0.3532, 0.4547



40.5504, 0.2871, 0.4291



40.5504, 0.2313, 0.3649

Triad

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



40.5504, 0.2871, 0.4291



40.5504, 0.2157, 0.2254



40.5504, 0.4411, 0.3409

Complementary

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



40.5504, 0.2871, 0.4291



22.0590, 0.3549, 0.2477

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.



40.5504, 0.3960, 0.2916



40.5504, 0.2871, 0.4291



40.5504, 0.2620, 0.2282

Square

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



40.5504, 0.2871, 0.4291



40.5504, 0.1942, 0.2470



40.5504, 0.3277, 0.2518



40.5504, 0.4457, 0.3923

Rectangle

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



40.5504, 0.2871, 0.4291



40.5504, 0.2068, 0.3171



40.5504, 0.3277, 0.2518



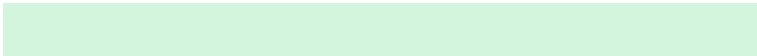
40.5504, 0.4301, 0.3239

Sweetspot

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



40.5521, 0.2871, 0.4291



84.2277, 0.3044, 0.3537



44.7713, 0.3563, 0.4565



17.9108, 0.3031, 0.3578



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.5521, 0.2871, 0.4291



70.2464, 0.2837, 0.4566



41.9844, 0.2595, 0.3547



10.7001, 0.3072, 0.3448



24.7368, 0.2862, 0.5502



0.9813, 0.2719, 0.4989

Inverse Universe

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



22.0590, 0.3549, 0.2477



33.1174, 0.3685, 0.2320



20.7862, 0.4190, 0.3063



9.6413, 0.3187, 0.3137



8.3195, 0.4244, 0.2112



0.3375, 0.3939, 0.1943

Previews

White Background



This preview shows how the Yxy color 40.5504, 0.2871, 0.4291 looks on a white background.

Color Contrast Check

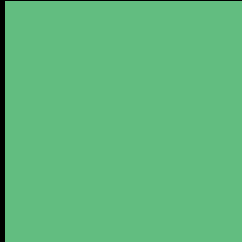
Large Text (above 18pt) WCAG AA × Fail

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 40.5504, 0.2871, 0.4291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

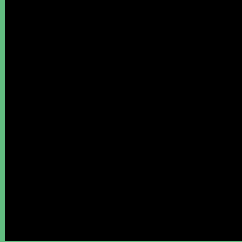
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5504, 0.2871, 0.4291

Background



This preview shows how black text looks on a background with the Yxy color 40.5504, 0.2871, 0.4291.

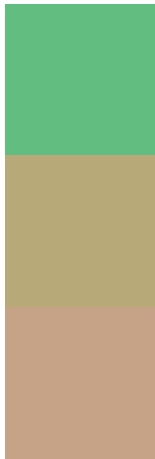


This preview shows how white text looks on a background with the Yxy color 40.5504, 0.2871, 0.4291.

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

40.5504, 0.2871, 0.4291

Protanopia

40.1728, 0.3692, 0.3977

Deuteranopia

39.9214, 0.3742, 0.3672



Tritanopia

40.5653, 0.2532, 0.3083

Trichromacy



Original Color

40.5504, 0.2871, 0.4291



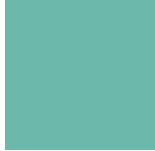
Protanomaly

39.5497, 0.3343, 0.4100



Deuteranomaly

38.8524, 0.3374, 0.3877



Tritanomaly

40.4094, 0.2649, 0.3490

Monochromacy



Original Color

40.5504, 0.2871, 0.4291



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

34.7501, 0.3012, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5504, 0.2871, 0.4291 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(98, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(98, 189, 128)  
}
```

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(98, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 189, 128) }
```

Border

The CSS property to change the border of an element to Yxy 40.5504, 0.2871, 0.4291 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(98, 189, 128) }
```

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

```
.border{ border-color:rgb(98, 189, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 189, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 189, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 189, 128);  
box-shadow:4px 4px 4px 4px rgb(98, 189,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5504, 0.2871, 0.4291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 189, 128) }
```

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

```
.background{ background-color: rgb(98, 189,  
128) }
```

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