

Converting Colors

$Yxy(30.5987, 0.2796, 0.3600)$

Have a look what the booklet for
Yxy(30.5987, 0.2796, 0.3600)
contains.

Yxy(30.5987, 0.2796, 0.3600)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.5987, 0.2796, 0.3600)

Conversions

Conversions Part 1

Format	Color
Hex	6BA18F
RGB	107, 161, 143
RGB Percent	42%, 63%, 56%
CMY	0.5804, 0.3686, 0.4393
CMYK	0.34, 0.00, 0.11, 0.37
HSL	160°, 22%, 53%
HSV	160°, 34%, 63%
XYZ	23.7650, 30.5987, 30.6327
YIQ	142.8020, -26.4060, -17.0460

Conversions

Conversions Part 2

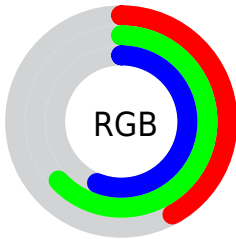
Format	Color
RYB	107, 139, 161
Decimal	7053711
CIELab	62.17, -21.93, 3.72
CIElCh	62, 22.247, 170.372
Yxy	30.5987, 0.2796, 0.3600
Android (android.graphics.Color)	4285243791 (0xFF6BA18F)
YUV	142.8020, 0.0976, -31.3984
Hunter-Lab	55.3161, -20.1157, 5.8879

Details

The Yxy color **30.5987, 0.2796, 0.3600** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.5745, 0.3630, 0.3003**, and the grayscale version is **27.3928, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6165, 0.2862, 0.3531**, and **12.5683, 0.2673, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **29.5342, 0.2715, 0.3710**, and if you desaturate by 10%, it is **31.8593, 0.2888, 0.3498**.

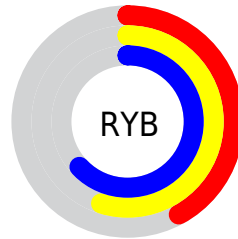
Distribution



Red (42%)

Green (63%)

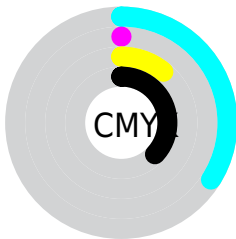
Blue (56%)



Red (42%)

Yellow (55%)

Blue (63%)

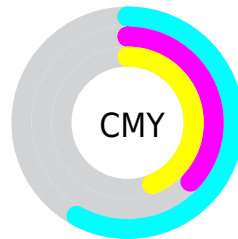


Cyan (34%)

Magenta (0%)

Yellow (11%)

Black (37%)



Cyan (58%)


Magenta (37%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5987, 0.2796, 0.3600 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 30.5987, 0.2796, 0.3600 by changing the saturation by 10% instead.


 30.5987, 0.2796,
0.3600


 30.5987, 0.2796,
0.3600


304.6853, 0.2974,
0.3431


 20.2935, 0.2747,
0.3647


 60.6077, 0.2864,
0.3535


 12.6085, 0.2681,
0.3712

 81.0803, 0.2889,
0.3512

 7.1595, 0.2586,
0.3804


 105.7107, 0.2909,
0.3493

 3.5621, 0.2443,
0.3948

 134.8835, 0.2926,
0.3477

 1.4317, 0.2188,
0.4206

168.9829, 0.2941,
0.3463

 0.2399, 0.0000,
0.9954

208.3934, 0.2953,

 0.0000, 0.0000,

0.3451

0.0000

253.4994, 0.2965,
0.3441

■ 30.5987, 0.2796,
0.3600

■ 30.5987, 0.2796,
0.3600

■ 29.5342, 0.2715,
0.3710

■ 31.8593, 0.2888,
0.3498

■ 28.6517, 0.2646,
0.3827

■ 33.3219, 0.2986,
0.3404

■ 27.9408, 0.2594,
0.3949


■ 34.9967, 0.3090,
0.3318


■ 27.3889, 0.2560,
0.4074


■ 36.8922, 0.3196,
0.3241


■ 26.9813, 0.2545,
0.4201

■ 39.0164, 0.3302,
0.3173


 26.7006, 0.2549,
0.4326

 41.3768, 0.3407,
0.3112

 26.5587, 0.2557,
0.4406

 43.9806, 0.3510,
0.3059

 46.8347, 0.3610,
0.3012

 49.9459, 0.3706,
0.2971

Harmonies

Analogous

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



30.5987, 0.3135, 0.3857



30.5987, 0.2796, 0.3600



30.5987, 0.2554, 0.3255

Triad

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



30.5987, 0.2796, 0.3600



30.5987, 0.2754, 0.2707



30.5987, 0.3842, 0.3572

Complementary

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



30.5987, 0.2796, 0.3600



19.5745, 0.3630, 0.3003

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.



30.5987, 0.3732, 0.3279



30.5987, 0.2796, 0.3600



30.5987, 0.3087, 0.2799

Square

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



30.5987, 0.2796, 0.3600



30.5987, 0.2532, 0.2754



30.5987, 0.3449, 0.3003



30.5987, 0.3747, 0.3815

Rectangle

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



30.5987, 0.2796, 0.3600



30.5987, 0.2474, 0.3039



30.5987, 0.3449, 0.3003



30.5987, 0.3828, 0.3476

Sweetspot

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



30.5999, 0.2796, 0.3600



60.6356, 0.3021, 0.3374



30.9812, 0.3260, 0.4210



13.2144, 0.3007, 0.3385



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



30.5999, 0.2796, 0.3600



53.3886, 0.2736, 0.3679



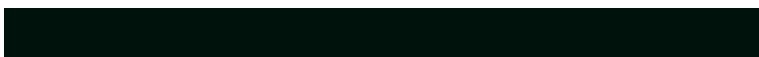
28.4504, 0.2644, 0.3151



7.9709, 0.3030, 0.3366



21.2181, 0.2555, 0.4396



0.4540, 0.2429, 0.3945

Inverse Universe

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



19.5745, 0.3630, 0.3003



30.6661, 0.3787, 0.2940



20.9238, 0.3844, 0.3423



7.1231, 0.3235, 0.3215



6.2692, 0.5592, 0.2854



0.1402, 0.4632, 0.2326

Previews

White Background



This preview shows how the Yxy color 30.5987, 0.2796, 0.3600 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 30.5987, 0.2796, 0.3600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

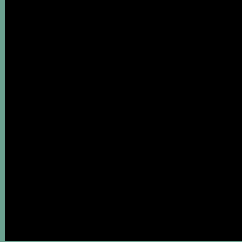
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5987, 0.2796, 0.3600

Background



This preview shows how black text looks on a background with the Yxy color 30.5987, 0.2796, 0.3600.



This preview shows how white text looks on a background with the Yxy color 30.5987, 0.2796, 0.3600.

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

30.5987, 0.2796, 0.3600

Protanopia

30.2696, 0.3306, 0.3478

Deuteranopia

30.3255, 0.3330, 0.3276



Tritanopia

30.5269, 0.2633, 0.3077

Trichromacy



Original Color

30.5987, 0.2796, 0.3600

Protanomaly

30.0498, 0.3106, 0.3518

Deuteranomaly

30.1068, 0.3113, 0.3386

Tritanomaly

30.3713, 0.2693, 0.3255

Monochromacy



Original Color

30.5987, 0.2796, 0.3600

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.5417, 0.2992, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5987, 0.2796, 0.3600 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(107, 161, 143)` looks like.

```
.text, #text, p{  
    color:rgb(107, 161, 143)  
}
```

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(107, 161, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 161, 143) }
```

Border

The CSS property to change the border of an element to Yxy 30.5987, 0.2796, 0.3600 is called "border". The border property can be set on classes, ids or directly on the HTML element.

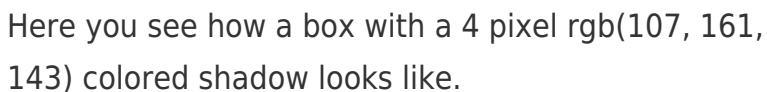
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 161, 143) }
```

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

```
.border{ border-color:rgb(107, 161, 143) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 161, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 161, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 161, 143); box-shadow:4px 4px 4px 4px rgb(107, 161, 143) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5987, 0.2796, 0.3600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 161, 143) }
```

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

```
.background{ background-color: rgb(107,  
161, 143) }
```

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