

# Converting Colors

$Yxy(30.8966, 0.2704, 0.3573)$

Have a look what the booklet for  
Yxy(30.8966, 0.2704, 0.3573)  
contains.

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**Color**

**Yxy(30.8976, 0.2701, 0.3567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	62A393
RGB	98, 163, 147
RGB Percent	38%, 64%, 58%
CMY	0.6158, 0.3607, 0.4236
CMYK	0.40, 0.00, 0.10, 0.36
HSL	165°, 26%, 51%
HSV	165°, 40%, 64%
XYZ	23.3962, 30.8976, 32.3268
YIQ	141.7410, -33.6040, -18.7560

# Conversions

## Conversions Part 2

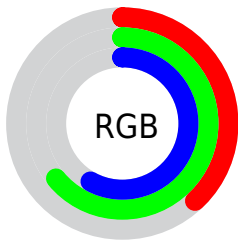
<b>Format</b>	<b>Color</b>
<b>RYB</b>	98, 135, 163
Decimal	6464403
CIELab	62.42, -24.67, 1.79
CIELCh	62, 24.730, 175.859
Yxy	30.8976, 0.2701, 0.3567
Android (android.graphics.Color)	4284654483 (0xFF62A393)
YUV	141.7410, 2.5927, -38.3609
Hunter-Lab	55.5856, -22.1433, 4.4287

# Details

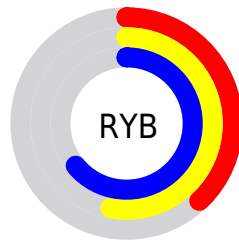
The Yxy color **30.8976, 0.2701, 0.3567** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.7306, 0.3855, 0.3037**, and the grayscale version is **26.9389, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0353, 0.2790, 0.3506**, and **12.7898, 0.2548, 0.3652** is the 20% darker color. If you saturate the color by 10%, you get **29.9591, 0.2620, 0.3650**, and if you desaturate by 10%, it is **32.0277, 0.2795, 0.3489**.

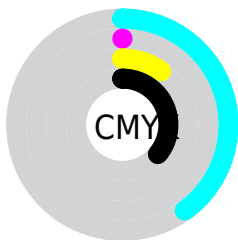
# Distribution



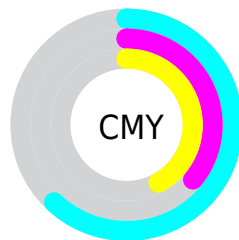
- Red (38%)
- Green (64%)
- Blue (58%)



- Red (38%)
- Yellow (53%)
- Blue (64%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (36%)



- Cyan (62%)
- Magenta (36%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8976, 0.2701, 0.3567 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 30.8976, 0.2701, 0.3567 by changing the saturation by 10% instead.




 30.8976, 0.2701,  
0.3567


 30.8976, 0.2701,  
0.3567


306.0663, 0.2929,  
0.3418


 20.5209, 0.2639,  
0.3608


 61.0788, 0.2787,  
0.3510

 12.7742, 0.2556,  
0.3664


 81.6521, 0.2819,  
0.3490

 7.2733, 0.2439,  
0.3742


 106.3930, 0.2845,  
0.3473

 3.6336, 0.2263,  
0.3862

 135.6860, 0.2867,  
0.3458

 1.4708, 0.1953,  
0.4076

169.9155, 0.2886,  
0.3446

 0.2680, 0.0000,  
0.6161

209.4657, 0.2902,

 0.0000, 0.0000,

0.3435

0.0000

254.7212, 0.2916,  
0.3426

■ 30.8976, 0.2701,  
0.3567

■ 30.8976, 0.2701,  
0.3567

■ 29.9591, 0.2620,  
0.3650

■ 32.0277, 0.2795,  
0.3489

■ 29.1970, 0.2554,  
0.3736

■ 33.3559, 0.2900,  
0.3417

■ 28.6001, 0.2506,  
0.3825


■ 34.8932, 0.3012,  
0.3350

■ 28.1540, 0.2477,  
0.3916


■ 36.6485, 0.3128,  
0.3289

■ 27.8422, 0.2467,  
0.4006

■ 38.6302, 0.3247,  
0.3235


 27.6264, 0.2471,  
0.4096

 40.8464, 0.3367,  
0.3186

 27.6244, 0.2471,  
0.4097

 43.3047, 0.3486,  
0.3144

 46.0123, 0.3602,  
0.3106

 48.9761, 0.3714,  
0.3073

# Harmonies

## Analogous

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



30.8976, 0.3061, 0.3884



30.8976, 0.2701, 0.3567



30.8976, 0.2463, 0.3179

# Triad

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



30.8976, 0.2701, 0.3567



30.8976, 0.2775, 0.2657



30.8976, 0.3917, 0.3653

# Complementary

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



30.8976, 0.2701, 0.3567



17.7306, 0.3855, 0.3037

# 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.



30.8976, 0.3837, 0.3334



30.8976, 0.2701, 0.3567



30.8976, 0.3155, 0.2783

# Square

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



30.8976, 0.2701, 0.3567



30.8976, 0.2504, 0.2677



30.8976, 0.3551, 0.3024



30.8976, 0.3771, 0.3905



# Rectangle

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



30.8976, 0.2701, 0.3567



30.8976, 0.2398, 0.2951



30.8976, 0.3551, 0.3024



30.8976, 0.3916, 0.3550

# Sweetspot

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



30.8988, 0.2701, 0.3567



61.8096, 0.2985, 0.3365



30.6718, 0.3217, 0.4430



13.8045, 0.2971, 0.3373



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290



# Same Dimension

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



30.8988, 0.2701, 0.3567



53.8024, 0.2627, 0.3641



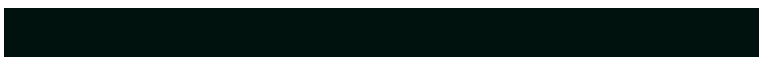
26.0286, 0.2545, 0.3006



7.9813, 0.3019, 0.3346



21.4736, 0.2469, 0.4088



0.4580, 0.2379, 0.3764



# Inverse Universe

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



17.7306, 0.3855, 0.3037



26.8613, 0.4110, 0.2983



20.7541, 0.3997, 0.3552



7.1133, 0.3248, 0.3235



6.1778, 0.5896, 0.3022



0.1368, 0.4959, 0.2505



# Previews

## White Background



This preview shows how the Yxy color 30.8976, 0.2701, 0.3567 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 30.8976, 0.2701, 0.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

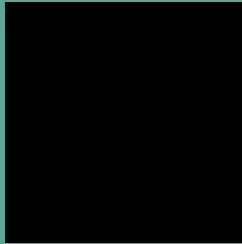
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.8976, 0.2701, 0.3567**

## Background



This preview shows how black text looks on a background with the Yxy color 30.8976, 0.2701, 0.3567.



This preview shows how white text looks on a background with the Yxy color 30.8976, 0.2701, 0.3567.

# 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

30.8976, 0.2701, 0.3567

### Protanopia

30.6747, 0.3275, 0.3446

### Deuteranopia

30.3777, 0.3269, 0.3201



## Tritanopia

30.7179, 0.2558, 0.3075

# Trichromacy



**Original Color**

30.8976, 0.2701, 0.3567

**Protanomaly**

30.4942, 0.3030, 0.3486

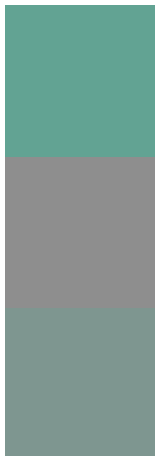
**Deuteranomaly**

30.2339, 0.3027, 0.3322

**Tritanomaly**

30.6107, 0.2609, 0.3238

# Monochromacy



**Original Color**

30.8976, 0.2701, 0.3567

**Achromatopsia**

27.0498, 0.3127, 0.3290

**Achromatomaly**

28.2619, 0.2945, 0.3391

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.8976, 0.2701, 0.3567 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, 163, 147)` looks like.

```
.text, #text, p{  
    color:rgb(98, 163, 147)  
}
```

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, 163, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 163, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 30.8976, 0.2701, 0.3567 is called "border". The border property can be set on classes, ids or directly on the HTML element.

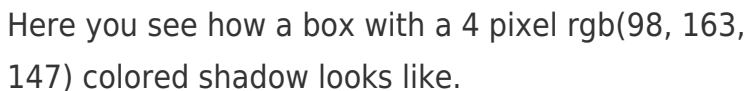
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 163, 147) }
```

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

```
.border{ border-color:rgb(98, 163, 147) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 163, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(98, 163, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(98, 163, 147); box-shadow:4px 4px 4px 4px rgb(98, 163, 147) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.8976, 0.2701, 0.3567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 163, 147) }
```

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

```
.background{ background-color: rgb(98, 163,  
147) }
```

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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