

Converting Colors

$Y_{xy}(28.7087, 0.2929, 0.3622)$

Have a look what the booklet for
Yxy(28.7087, 0.2929, 0.3622)
contains.

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Color

Yxy(28.5735, 0.2931, 0.3620)

Conversions

| Conversions Part 1 | |
|--------------------|------------------------------|
| Format | Color |
| Hex | 749A87 |
| RGB | 116, 154, 135 |
| RGB Percent | 45%, 60%, 53% |
| CMY | 0.5450, 0.3961, 0.4705 |
| CMYK | 0.25, 0.00, 0.12, 0.40 |
| HSL | 150°, 16%, 53% |
| HSV | 150°, 25%, 60% |
| XYZ | 23.1351, 28.5735, 27.2238 |
| YIQ | 140.4720, -16.5490, -13.9650 |

Conversions

Conversions Part 2

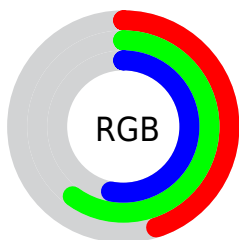
| Format | Color |
|-------------------------------------|---|
| RYB | 116, 141, 154 |
| Decimal | 7641735 |
| CIELab | 60.40, -17.14, 5.73 |
| CIELCh | 60, 18.072, 161.504 |
| Yxy | 28.5735, 0.2931, 0.3620 |
| Android (android.graphics.Color) | 4285831815 (0xFF749A87) |
| YUV | 140.4720, -2.6977, -21.4619 |
| Hunter-Lab | 53.4542, -16.2897, 7.2220 |

Details

The Yxy color $28.5735, 0.2931, 0.3620$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $21.1169, 0.3382, 0.2982$, and the grayscale version is $26.4375, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6668, 0.2976, 0.3558$, and $11.5497, 0.2867, 0.3760$ is the 20% darker color. If you saturate the color by 10%, you get $27.3959, 0.2859, 0.3778$, and if you desaturate by 10%, it is $29.9441, 0.3008, 0.3476$.

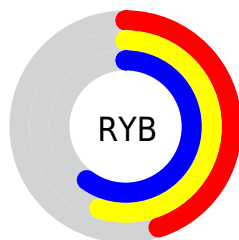
Distribution



Red (45%)

Green (60%)

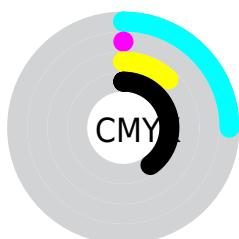
Blue (53%)



Red (45%)

Yellow (55%)

Blue (60%)

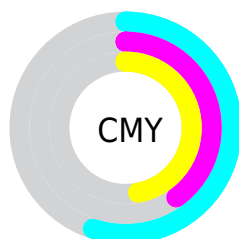


Cyan (25%)

Magenta (0%)

Yellow (12%)

Black (40%)



Cyan (55%)


Magenta (40%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5735, 0.2931, 0.3620 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 28.5735, 0.2931, 0.3620 by changing the saturation by 10% instead.


 28.5735, 0.2931,
0.3620


 28.5735, 0.2931,
0.3620


295.1973, 0.3039,
0.3438

 18.7584, 0.2900,
0.3672


 57.3988, 0.2973,
0.3549

 11.4958, 0.2858,
0.3744


 77.1777, 0.2988,
0.3524

 6.4014, 0.2797,
0.3850


 101.0468, 0.3000,
0.3503

 3.0907, 0.2699,
0.4018

129.3904, 0.3010,
0.3486

 1.1792, 0.2497,
0.4353

162.5928, 0.3019,
0.3471

 0.0447, 0.0000,
1.0000


201.0385, 0.3027,


 0.0000, 0.0000,


0.3459

0.0000


245.1118, 0.3033,
0.3447


 28.5735, 0.2931,
0.3620

 28.5735, 0.2931,
0.3620

 27.3959, 0.2859,
0.3778


 29.9441, 0.3008,
0.3476


 26.3989, 0.2796,
0.3949


 31.5125, 0.3089,
0.3346


 25.5738, 0.2744,
0.4131


 33.2877, 0.3171,
0.3230


 24.9102, 0.2707,
0.4320


 35.2771, 0.3252,
0.3127

 24.3961, 0.2687,
0.4513


 37.4878, 0.3332,
0.3036


 24.0180, 0.2687,
0.4704

 39.9264, 0.3409,
0.2956

 23.7590, 0.2705,
0.4888

 42.5995, 0.3483,
0.2886

 23.6459, 0.2718,
0.4983

 45.5130, 0.3554,
0.2825

 48.6730, 0.3621,
0.2771

Harmonies

Analogous

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



28.5735, 0.3225, 0.3792



28.5735, 0.2931, 0.3620



28.5735, 0.2697, 0.3349

Triad

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



28.5735, 0.2931, 0.3620



28.5735, 0.2749, 0.2800



28.5735, 0.3710, 0.3460

Complementary

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



28.5735, 0.2931, 0.3620



21.1169, 0.3382, 0.2982

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.



28.5735, 0.3572, 0.3211



28.5735, 0.2931, 0.3620



28.5735, 0.3007, 0.2842

Square

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



28.5735, 0.2931, 0.3620



28.5735, 0.2596, 0.2879



28.5735, 0.3310, 0.2990



28.5735, 0.3683, 0.3680

Rectangle

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



28.5735, 0.2931, 0.3620



28.5735, 0.2602, 0.3161



28.5735, 0.3310, 0.2990



28.5735, 0.3682, 0.3377

Sweetspot

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



28.5747, 0.2931, 0.3620



56.5053, 0.3069, 0.3377



29.5235, 0.3287, 0.3928



12.7543, 0.3065, 0.3384



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.5747, 0.2931, 0.3620



50.5969, 0.2887, 0.3712



29.1579, 0.2774, 0.3289



6.9745, 0.3052, 0.3403



19.2733, 0.2714, 0.4970



0.2955, 0.2502, 0.4209

Inverse Universe

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



21.1169, 0.3382, 0.2982



34.4830, 0.3463, 0.2905



20.6291, 0.3626, 0.3291



6.2716, 0.3209, 0.3179



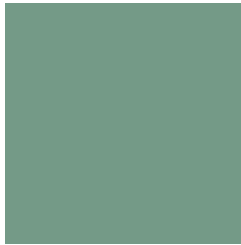
6.0407, 0.4913, 0.2480



0.0976, 0.4055, 0.2008

Previews

White Background



This preview shows how the Yxy color 28.5735, 0.2931, 0.3620 looks on a white background.

Color Contrast Check

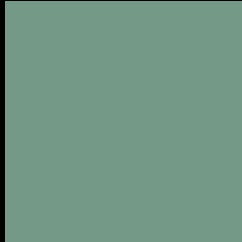
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5735, 0.2931, 0.3620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

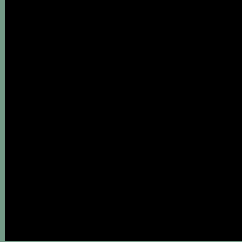
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5735, 0.2931, 0.3620

Background



This preview shows how black text looks on a background with the Yxy color 28.5735, 0.2931, 0.3620.



This preview shows how white text looks on a background with the Yxy color 28.5735, 0.2931, 0.3620.

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

28.5735, 0.2931, 0.3620

Protanopia

28.4418, 0.3342, 0.3531

Deuteranopia

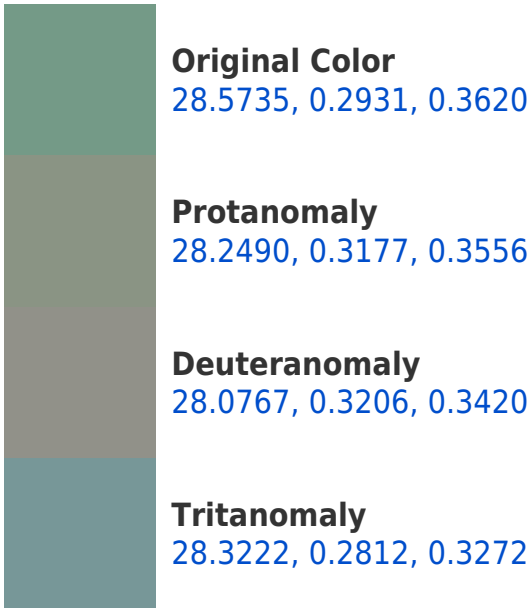
28.2725, 0.3391, 0.3322



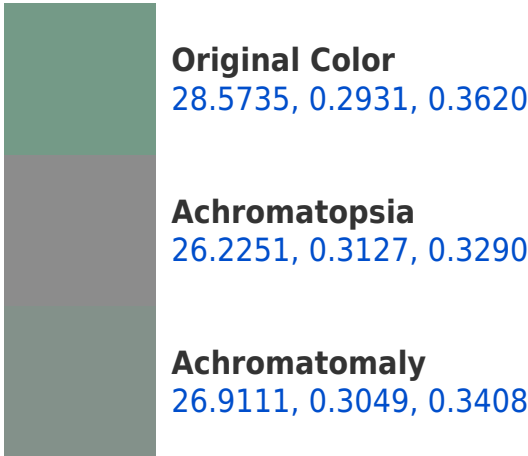
Tritanopia

28.4863, 0.2747, 0.3091

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5735, 0.2931, 0.3620 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(116, 154, 135) looks like.

```
.text, #text, p{  
    color:rgb(116, 154, 135)  
}
```

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(116, 154, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 154, 135) }
```

Border

The CSS property to change the border of an element to Yxy 28.5735, 0.2931, 0.3620 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(116, 154, 135) }
```

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

```
.border{ border-color:rgb(116, 154, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 154, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 154, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 154, 135);  
box-shadow:4px 4px 4px 4px rgb(116, 154,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5735, 0.2931, 0.3620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 154, 135) }
```

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

```
.background{ background-color: rgb(116,  
154, 135) }
```

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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