

Converting Colors

$Y_{xy}(27.8703, 0.2801, 0.3669)$

Have a look what the booklet for
Yxy(27.8703, 0.2801, 0.3669)
contains.

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Color

Yxy(27.8732, 0.2801, 0.3669)

Conversions

Conversions Part 1

Format	Color
Hex	649B86
RGB	100, 155, 134
RGB Percent	39%, 61%, 53%
CMY	0.6079, 0.3921, 0.4745
CMYK	0.35, 0.00, 0.14, 0.39
HSL	157°, 22%, 50%
HSV	157°, 35%, 61%
XYZ	21.2790, 27.8732, 26.8172
YIQ	136.1610, -26.0390, -18.1910

Conversions

Conversions Part 2

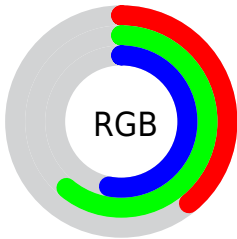
Format	Color
RYB	100, 134, 155
Decimal	6593414
CIELab	59.77, -23.01, 5.28
CIElCh	60, 23.606, 167.079
Yxy	27.8732, 0.2801, 0.3669
Android (android.graphics.Color)	4284783494 (0xFF649B86)
YUV	136.1610, -1.0654, -31.7132
Hunter-Lab	52.7951, -20.4470, 6.8402

Details

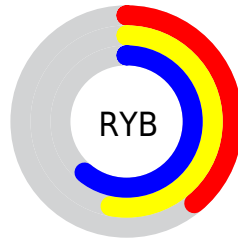
The Yxy color $27.8732, 0.2801, 0.3669$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $17.4600, 0.3630, 0.2944$, and the grayscale version is $24.6948, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.4533, 0.2873, 0.3593$, and $11.2188, 0.2692, 0.3839$ is the 20% darker color. If you saturate the color by 10%, you get $26.9127, 0.2727, 0.3797$, and if you desaturate by 10%, it is $29.0134, 0.2885, 0.3550$.

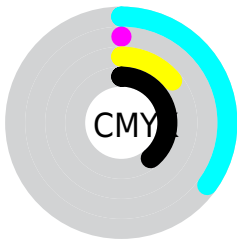
Distribution



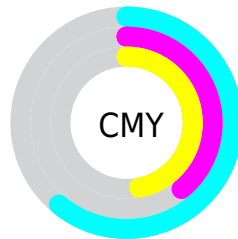
- Red (39%)
- Green (61%)
- Blue (53%)



- Red (39%)
- Yellow (53%)
- Blue (61%)



- Cyan (35%)
- Magenta (0%)
- Yellow (14%)
- Black (39%)



- Cyan (61%)
- Magenta (39%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8732, 0.2801, 0.3669 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 27.8732, 0.2801, 0.3669 by changing the saturation by 10% instead.


 27.8732, 0.2801,
0.3669


 27.8732, 0.2801,
0.3669


291.8605, 0.2980,
0.3459


 18.2301, 0.2750,
0.3730


 56.2819, 0.2870,
0.3587

 11.1153, 0.2681,
0.3814


 75.8164, 0.2895,
0.3558

 6.1444, 0.2580,
0.3937


 99.4167, 0.2915,
0.3534

 2.9331, 0.2421,
0.4136

 127.4673, 0.2933,
0.3514

 1.0969, 0.1967,
0.4623

160.3526, 0.2947,
0.3497

 0.0000, 0.0000,
0.0000

198.4570, 0.2960,

0.3483

242.1648, 0.2970,
0.3470

■ 27.8732, 0.2801,
0.3669

■ 27.8732, 0.2801,
0.3669

■ 26.9127, 0.2727,
0.3797

■ 29.0134, 0.2885,
0.3550

■ 26.1187, 0.2666,
0.3934

■ 30.3388, 0.2977,
0.3440

■ 25.4817, 0.2620,
0.4075


■ 31.8588, 0.3073,
0.3340

■ 24.9897, 0.2593,
0.4220

■ 33.5814, 0.3172,
0.3251

■ 24.6290, 0.2585,
0.4366


■ 35.5138, 0.3271,
0.3171


 24.3813, 0.2596,
0.4509

 37.6632, 0.3368,
0.3100

 24.2865, 0.2604,
0.4573

 40.0361, 0.3464,
0.3038

 42.6390, 0.3557,
0.2984

 45.4780, 0.3646,
0.2936

Harmonies

Analogous

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



27.8732, 0.3177, 0.3934



27.8732, 0.2801, 0.3669



27.8732, 0.2524, 0.3291

Triad

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



27.8732, 0.2801, 0.3669



27.8732, 0.2686, 0.2654



27.8732, 0.3908, 0.3560

Complementary

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



27.8732, 0.2801, 0.3669



17.4600, 0.3630, 0.2944

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.



27.8732, 0.3764, 0.3241



27.8732, 0.2801, 0.3669



27.8732, 0.3038, 0.2738

Square

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



27.8732, 0.2801, 0.3669



27.8732, 0.2462, 0.2720



27.8732, 0.3437, 0.2948



27.8732, 0.3827, 0.3837

Rectangle

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



27.8732, 0.2801, 0.3669



27.8732, 0.2425, 0.3049



27.8732, 0.3437, 0.2948



27.8732, 0.3885, 0.3454

Sweetspot

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



27.8743, 0.2801, 0.3669



55.4518, 0.3018, 0.3396



28.4345, 0.3284, 0.4261



12.4757, 0.3006, 0.3409



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.



27.8743, 0.2801, 0.3669



48.4587, 0.2738, 0.3776



26.4391, 0.2625, 0.3176



6.9866, 0.3037, 0.3376



19.5132, 0.2600, 0.4561



0.2988, 0.2430, 0.3946

Inverse Universe

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



17.4600, 0.3630, 0.2944



26.8360, 0.3803, 0.2862



18.2800, 0.3908, 0.3400



6.2597, 0.3227, 0.3205



5.8589, 0.5398, 0.2748



0.0943, 0.4382, 0.2188

Previews

White Background



This preview shows how the Yxy color 27.8732, 0.2801, 0.3669 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 27.8732, 0.2801, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

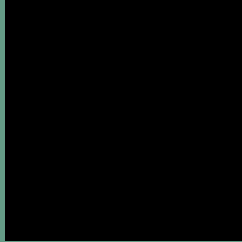
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8732, 0.2801, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 27.8732, 0.2801, 0.3669.

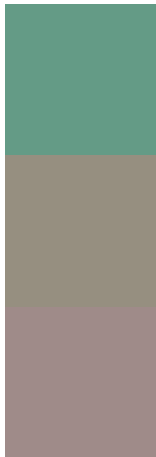


This preview shows how white text looks on a background with the Yxy color 27.8732, 0.2801, 0.3669.

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

27.8732, 0.2801, 0.3669

Protanopia

27.6875, 0.3356, 0.3533

Deuteranopia

27.6423, 0.3370, 0.3322



Tritanopia

27.9034, 0.2625, 0.3086

Trichromacy



Original Color

27.8732, 0.2801, 0.3669

Protanomaly

27.3847, 0.3134, 0.3579

Deuteranomaly

27.4316, 0.3141, 0.3440

Tritanomaly

27.6665, 0.2687, 0.3289

Monochromacy



Original Color

27.8732, 0.2801, 0.3669

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6051, 0.2996, 0.3430

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8732, 0.2801, 0.3669 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(100, 155, 134)` looks like.

```
.text, #text, p{  
    color:rgb(100, 155, 134)  
}
```

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(100, 155, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 155, 134) }
```

Border

The CSS property to change the border of an element to Yxy 27.8732, 0.2801, 0.3669 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(100, 155, 134) }
```

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

```
.border{ border-color:rgb(100, 155, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 155, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 155, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 155, 134);  
box-shadow:4px 4px 4px 4px rgb(100, 155,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8732, 0.2801, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 155, 134) }
```

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

```
.background{ background-color: rgb(100,  
155, 134) }
```

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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