

Converting Colors

$Y_{xy}(26.8306, 0.2978, 0.4010)$

Have a look what the booklet for
Yxy(26.8306, 0.2978, 0.4010)
contains.

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Color

$\text{Yxy}(26.8222, 0.2981, 0.4017)$

Conversions

Conversions Part 1

Format	Color
Hex	669972
RGB	102, 153, 114
RGB Percent	40%, 60%, 45%
CMY	0.6001, 0.4000, 0.5530
CMYK	0.33, 0.00, 0.26, 0.40
HSL	134°, 20%, 50%
HSV	134°, 33%, 60%
XYZ	19.9046, 26.8222, 20.0449
YIQ	133.3050, -17.8770, -22.9410

Conversions

Conversions Part 2

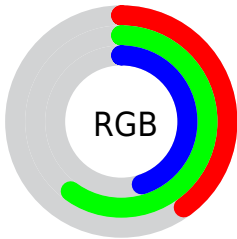
Format	Color
RYB	102, 143, 153
Decimal	6723954
CIELab	58.81, -25.53, 15.21
CIElCh	59, 29.718, 149.222
Yxy	26.8222, 0.2981, 0.4017
Android (android.graphics.Color)	4284914034 (0xFF669972)
YUV	133.3050, -9.5174, -27.4545
Hunter-Lab	51.7902, -22.0294, 13.3055

Details

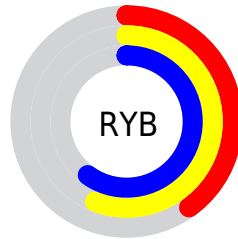
The Yxy color $26.8222, 0.2981, 0.4017$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.1920, 0.3318, 0.2660$, and the grayscale version is $23.6104, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.8335, 0.3021, 0.3856$, and $10.6262, 0.2906, 0.4319$ is the 20% darker color. If you saturate the color by 10%, you get $25.7611, 0.2943, 0.4283$, and if you desaturate by 10%, it is $28.0846, 0.3023, 0.3772$.

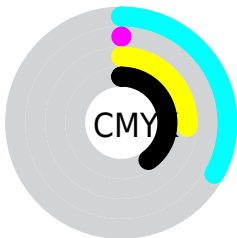
Distribution



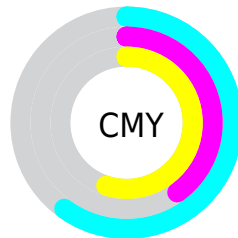
- Red (40%)
- Green (60%)
- Blue (45%)



- Red (40%)
- Yellow (56%)
- Blue (60%)



- Cyan (33%)
- Magenta (0%)
- Yellow (26%)
- Black (40%)





- Cyan (60%)
- Magenta (40%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.8222, 0.2981, 0.4017 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 26.8222, 0.2981, 0.4017 by changing the saturation by 10% instead.

 26.8222, 0.2981,
0.4017


 26.8222, 0.2981,
0.4017

286.7952, 0.3069,
0.3604


 17.4397, 0.2952,
0.4141


 54.5984, 0.3018,
0.3853


 10.5485, 0.2910,
0.4315


 73.7610, 0.3030,
0.3796

 5.7641, 0.2842,
0.4576

 96.9523, 0.3040,
0.3749

 2.7022, 0.2721,
0.5009

 124.5569, 0.3048,
0.3710

 0.9783, 0.2369,
0.7631

156.9591, 0.3054,
0.3677

 0.0000, 0.0000,
0.0000

194.5433, 0.3060,

0.3649

237.6938, 0.3065,
0.3625

■ 26.8222, 0.2981,
0.4017

■ 26.8222, 0.2981,
0.4017

■ 25.7611, 0.2943,
0.4283

■ 28.0846, 0.3023,
0.3772

■ 24.8876, 0.2913,
0.4562

■ 29.5545, 0.3067,
0.3549

■ 24.1915, 0.2892,
0.4847


■ 31.2420, 0.3112,
0.3351

■ 23.6601, 0.2883,
0.5123


■ 33.1556, 0.3156,
0.3176

■ 23.2791, 0.2889,
0.5376

■ 35.3034, 0.3199,
0.3023

 23.0318, 0.2907,
0.5593

 37.6928, 0.3239,
0.2890

 22.9135, 0.2920,
0.5714

 40.3312, 0.3278,
0.2774

 43.2255, 0.3313,
0.2673

 46.3823, 0.3347,
0.2585

Harmonies

Analogous

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



26.8222, 0.3474, 0.4196



26.8222, 0.2981, 0.4017



26.8222, 0.2549, 0.3584

Triad

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



26.8222, 0.2981, 0.4017



26.8222, 0.2382, 0.2516



26.8222, 0.4050, 0.3378

Complementary

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



26.8222, 0.2981, 0.4017



18.1920, 0.3318, 0.2660

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.



26.8222, 0.3710, 0.2996



26.8222, 0.2981, 0.4017



26.8222, 0.2731, 0.2518

Square

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



26.8222, 0.2981, 0.4017



26.8222, 0.2226, 0.2707



26.8222, 0.3215, 0.2691



26.8222, 0.4114, 0.3769

Rectangle

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



26.8222, 0.2981, 0.4017



26.8222, 0.2349, 0.3248



26.8222, 0.3215, 0.2691



26.8222, 0.3963, 0.3247

Sweetspot

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



26.8233, 0.2981, 0.4017



53.8337, 0.3082, 0.3484



29.4159, 0.3485, 0.4135



11.8041, 0.3076, 0.3510



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



26.8233, 0.2981, 0.4017



46.5843, 0.2952, 0.4213



27.4843, 0.2771, 0.3533



6.9483, 0.3086, 0.3465



18.9394, 0.2917, 0.5702



0.2881, 0.2716, 0.4977

Inverse Universe

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



18.1920, 0.3318, 0.2660



28.7048, 0.3373, 0.2520



17.5206, 0.3674, 0.3063



6.2987, 0.3171, 0.3121



6.6631, 0.3894, 0.1919



0.1050, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 26.8222, 0.2981, 0.4017 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 26.8222, 0.2981, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

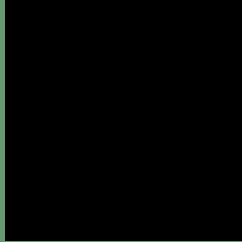
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.8222, 0.2981, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 26.8222, 0.2981, 0.4017.



This preview shows how white text looks on a background with the Yxy color 26.8222, 0.2981, 0.4017.

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

26.8222, 0.2981, 0.4017

Protanopia

26.6165, 0.3573, 0.3833

Deuteranopia

26.7029, 0.3636, 0.3573



Tritanopia

26.7501, 0.2680, 0.3084

Trichromacy



Original Color

26.8222, 0.2981, 0.4017

Protanomaly

26.3631, 0.3344, 0.3898

Deuteranomaly

26.2931, 0.3371, 0.3713

Tritanomaly

26.6662, 0.2787, 0.3395

Monochromacy



Original Color

26.8222, 0.2981, 0.4017

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.4001, 0.3072, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.8222, 0.2981, 0.4017 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(102, 153, 114)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 114)  
}
```

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(102, 153, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 114) }
```

Border

The CSS property to change the border of an element to Yxy 26.8222, 0.2981, 0.4017 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(102, 153, 114) }
```

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

```
.border{ border-color:rgb(102, 153, 114) }
```

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

Here you see how a box with a 4 pixel rgb(102, 153, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 114);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 26.8222, 0.2981, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 153, 114) }
```

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

```
.background{ background-color: rgb(102,  
153, 114) }
```

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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