

Converting Colors

$Y_{xy}(26.8757, 0.2990, 0.4049)$

Have a look what the booklet for
Yxy(26.8757, 0.2990, 0.4049)
contains.

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Color

$Y_{xy}(26.7995, 0.2990, 0.4036)$

Conversions

Conversions Part 1

Format	Color
Hex	669971
RGB	102, 153, 113
RGB Percent	40%, 60%, 44%
CMY	0.5999, 0.4000, 0.5569
CMYK	0.33, 0.00, 0.26, 0.40
HSL	133°, 20%, 50%
HSV	133°, 33%, 60%
XYZ	19.8539, 26.7995, 19.7477
YIQ	133.1910, -17.5560, -23.2520

Conversions

Conversions Part 2

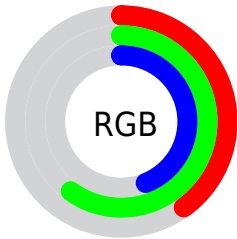
Format	Color
RYB	102, 144, 153
Decimal	6723953
CIELab	58.79, -25.69, 15.74
CIELCh	59, 30.130, 148.515
Yxy	26.7995, 0.2990, 0.4036
Android (android.graphics.Color)	4284914033 (0xFF669971)
YUV	133.1910, -9.9542, -27.3545
Hunter-Lab	51.7682, -22.1368, 13.6208

Details

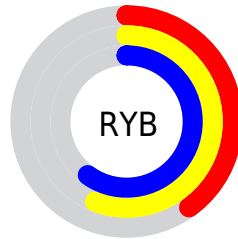
The Yxy color $26.7995, 0.2990, 0.4036$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.2356, 0.3304, 0.2645$, and the grayscale version is $23.5733, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.7969, 0.3028, 0.3870$, and $10.6145, 0.2917, 0.4348$ is the 20% darker color. If you saturate the color by 10%, you get $25.7345, 0.2954, 0.4309$, and if you desaturate by 10%, it is $28.0676, 0.3030, 0.3784$.

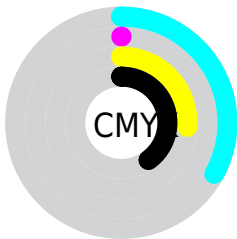
Distribution



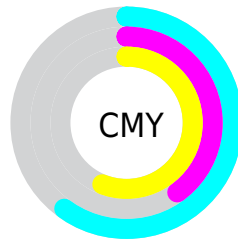
- Red (40%)
- Green (60%)
- Blue (44%)



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



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




- Cyan (60%)
- Magenta (40%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 26.7995, 0.2990, 0.4036 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 26.7995, 0.2990, 0.4036 by changing the saturation by 10% instead.


 26.7995, 0.2990,
0.4036


 26.7995, 0.2990,
0.4036


286.6850, 0.3074,
0.3612


 17.4227, 0.2962,
0.4163


 54.5620, 0.3025,
0.3867

 10.5363, 0.2921,
0.4342


 73.7164, 0.3037,
0.3809

 5.7560, 0.2855,
0.4611

 96.8989, 0.3046,
0.3761

 2.6973, 0.2734,
0.5056

 124.4937, 0.3053,
0.3721

 0.9758, 0.2336,
0.7664

156.8854, 0.3060,
0.3687

 0.0000, 0.0000,
0.0000

194.4582, 0.3065,

0.3658

237.5966, 0.3070,
0.3633

■ 26.7995, 0.2990,
0.4036

■ 26.7995, 0.2990,
0.4036

■ 25.7345, 0.2954,
0.4309

■ 28.0676, 0.3030,
0.3784

■ 24.8587, 0.2925,
0.4596

■ 29.5450, 0.3071,
0.3555

■ 24.1617, 0.2905,
0.4886

■ 31.2420, 0.3113,
0.3352


■ 23.6309, 0.2897,
0.5166


■ 33.1672, 0.3155,
0.3173

■ 23.2518, 0.2902,
0.5421

■ 35.3285, 0.3194,
0.3016


 23.0074, 0.2919,
0.5635

 37.7338, 0.3232,
0.2879

 22.8910, 0.2931,
0.5753

 40.3902, 0.3267,
0.2760

 43.3049, 0.3300,
0.2657

 46.4846, 0.3331,
0.2568

Harmonies

Analogous

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



26.7995, 0.3489, 0.4210



26.7995, 0.2990, 0.4036



26.7995, 0.2550, 0.3601

Triad

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



26.7995, 0.2990, 0.4036



26.7995, 0.2366, 0.2508



26.7995, 0.4058, 0.3369

Complementary

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



26.7995, 0.2990, 0.4036



18.2356, 0.3304, 0.2645

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.



26.7995, 0.3708, 0.2984



26.7995, 0.2990, 0.4036



26.7995, 0.2715, 0.2506

Square

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



26.7995, 0.2990, 0.4036



26.7995, 0.2213, 0.2706



26.7995, 0.3204, 0.2678



26.7995, 0.4129, 0.3766

Rectangle

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



26.7995, 0.2990, 0.4036



26.7995, 0.2344, 0.3258



26.7995, 0.3204, 0.2678



26.7995, 0.3968, 0.3236

Sweetspot

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



26.8006, 0.2990, 0.4036



53.8167, 0.3084, 0.3489



29.5639, 0.3503, 0.4128



11.8000, 0.3079, 0.3516



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.



26.8006, 0.2990, 0.4036



46.5374, 0.2963, 0.4238



27.4350, 0.2785, 0.3564



6.9463, 0.3089, 0.3469



18.9239, 0.2928, 0.5742



0.2875, 0.2736, 0.5050

Inverse Universe

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



18.2356, 0.3304, 0.2645



28.7718, 0.3355, 0.2502



17.5735, 0.3648, 0.3035



6.3009, 0.3168, 0.3117



6.7248, 0.3825, 0.1881



0.1056, 0.3508, 0.1706

Previews

White Background



This preview shows how the Yxy color 26.7995, 0.2990, 0.4036 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 26.7995, 0.2990, 0.4036 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 26.7995, 0.2990, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 26.7995, 0.2990, 0.4036.



This preview shows how white text looks on a background with the Yxy color 26.7995, 0.2990, 0.4036.

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

26.7995, 0.2990, 0.4036

Protanopia

26.6906, 0.3595, 0.3847

Deuteranopia

26.3988, 0.3652, 0.3573



Tritanopia

26.7501, 0.2680, 0.3084

Trichromacy



Original Color

26.7995, 0.2990, 0.4036

Protanomaly

26.3415, 0.3354, 0.3916

Deuteranomaly

26.2697, 0.3381, 0.3731

Tritanomaly

26.6360, 0.2796, 0.3413

Monochromacy



Original Color

26.7995, 0.2990, 0.4036

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 26.7995, 0.2990, 0.4036 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 113) }
```

Border

The CSS property to change the border of an element to Yxy 26.7995, 0.2990, 0.4036 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, 113) }
```

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

```
.border{ border-color:rgb(102, 153, 113) }
```

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, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 113);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7995, 0.2990, 0.4036 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, 113) }
```

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

```
.background{ background-color: rgb(102,  
153, 113) }
```

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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