

Converting Colors

$Y_{xy}(27.0554, 0.3260, 0.4105)$

Have a look what the booklet for
Yxy(27.0554, 0.3260, 0.4105)
contains.

Yxy(26.9702, 0.3260, 0.4093)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(26.9702, 0.3260, 0.4093)$

Conversions

Conversions Part 1

Format	Color
Hex	7A9669
RGB	122, 150, 105
RGB Percent	48%, 59%, 41%
CMY	0.5216, 0.4117, 0.5882
CMYK	0.19, 0.00, 0.30, 0.41
HSL	97°, 18%, 50%
HSV	97°, 30%, 59%
XYZ	21.4813, 26.9702, 17.4420
YIQ	136.4980, -2.2430, -19.9310

Conversions

Conversions Part 2

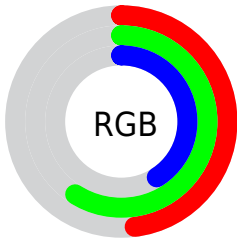
Format	Color
R_{YB}	105, 150, 133
Decimal	8033897
CIE _{Lab}	58.95, -18.48, 20.60
CIE _{LCh}	59, 27.676, 131.902
Yxy	26.9702, 0.3260, 0.4093
Android (android.graphics.Color)	4286223977 (0xFF7A9669)
YUV	136.4980, -15.5285, -12.7147
Hunter-Lab	51.9328, -17.0485, 16.4400

Details

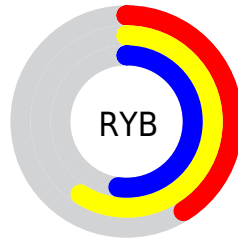
The Yxy color $26.9702, 0.3260, 0.4093$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.2980, 0.2947, 0.2519$, and the grayscale version is $24.8773, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.7340, 0.3236, 0.3905$, and $10.5968, 0.3284, 0.4421$ is the 20% darker color. If you saturate the color by 10%, you get $26.0401, 0.3295, 0.4396$, and if you desaturate by 10%, it is $28.0226, 0.3219, 0.3804$.

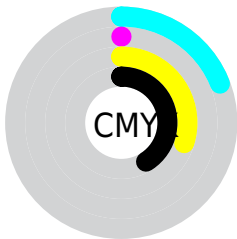
Distribution



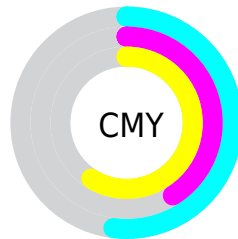
- Red (48%)
- Green (59%)
- Blue (41%)



- Red (41%)
- Yellow (59%)
- Blue (52%)



- Cyan (19%)
- Magenta (0%)
- Yellow (30%)
- Black (41%)





- Cyan (52%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.9702, 0.3260, 0.4093 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 26.9702, 0.3260, 0.4093 by changing the saturation by 10% instead.


 26.9702, 0.3260,
0.4093


 26.9702, 0.3260,
0.4093


287.5128, 0.3197,
0.3640

 17.5508, 0.3273,
0.4226


 54.8360, 0.3239,
0.3914


 10.6280, 0.3286,
0.4412


 74.0513, 0.3230,
0.3852

 5.8173, 0.3296,
0.4685

 97.3007, 0.3223,
0.3800

 2.7343, 0.3291,
0.5127

 124.9686, 0.3216,
0.3758

 0.9946, 0.3301,
0.6699

157.4393, 0.3210,
0.3721

 0.0000, 0.0000,
0.0000

195.0973, 0.3205,

0.3690

238.3270, 0.3201,
0.3664

■ 26.9702, 0.3260,
0.4093

■ 26.9702, 0.3260,
0.4093

■ 26.0401, 0.3295,
0.4396

■ 28.0226, 0.3219,
0.3804

■ 25.2242, 0.3321,
0.4704

■ 29.1982, 0.3174,
0.3535

■ 24.5185, 0.3334,
0.5004

■ 30.5024, 0.3127,
0.3290

■ 23.9175, 0.3331,
0.5278

■ 31.9391, 0.3081,
0.3068

■ 23.4153, 0.3310,
0.5511

■ 33.5122, 0.3036,
0.2870

■ 23.0050, 0.3273,
0.5689

■ 35.2252, 0.2993,
0.2694

■ 22.6724, 0.3227,
0.5820

■ 37.0817, 0.2952,
0.2538

■ 22.6722, 0.3227,
0.5820

■ 39.0851, 0.2914,
0.2400

■ 41.2384, 0.2879,
0.2278

Harmonies

Analogous

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



26.9702, 0.3695, 0.4101



26.9702, 0.3260, 0.4093



26.9702, 0.2809, 0.3813

Triad

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



26.9702, 0.3260, 0.4093



26.9702, 0.2322, 0.2649



26.9702, 0.3828, 0.3164

Complementary

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



26.9702, 0.3260, 0.4093



17.2980, 0.2947, 0.2519

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.



26.9702, 0.3412, 0.2838



26.9702, 0.3260, 0.4093



26.9702, 0.2550, 0.2545

Square

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



26.9702, 0.3260, 0.4093



26.9702, 0.2290, 0.2936



26.9702, 0.2940, 0.2618



26.9702, 0.4044, 0.3534

Rectangle

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



26.9702, 0.3260, 0.4093



26.9702, 0.2560, 0.3523



26.9702, 0.2940, 0.2618



26.9702, 0.3706, 0.3047

Sweetspot

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



26.9714, 0.3260, 0.4093



51.7030, 0.3170, 0.3514



24.2141, 0.3641, 0.3754



11.3935, 0.3176, 0.3549



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



26.9714, 0.3260, 0.4093



46.4678, 0.3284, 0.4296



25.9503, 0.3042, 0.4035



6.5687, 0.3170, 0.3515



18.8195, 0.3232, 0.5816



0.2463, 0.3576, 0.5543

Inverse Universe

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



17.2980, 0.2947, 0.2519



26.5776, 0.2895, 0.2334



18.6278, 0.3226, 0.2645



5.8010, 0.3081, 0.3068



3.7933, 0.2303, 0.1042



0.0633, 0.2726, 0.1275

Previews

White Background



This preview shows how the Yxy color 26.9702, 0.3260, 0.4093 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 26.9702, 0.3260, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

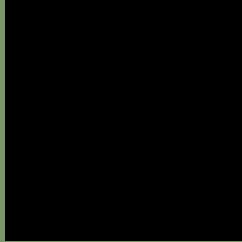
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.9702, 0.3260, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 26.9702, 0.3260, 0.4093.



This preview shows how white text looks on a background with the Yxy color 26.9702, 0.3260, 0.4093.

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

26.9702, 0.3260, 0.4093

Protanopia

26.6647, 0.3670, 0.3942

Deuteranopia

26.7980, 0.3785, 0.3724



Tritanopia

27.0589, 0.2882, 0.3108

Trichromacy



Original Color

26.9702, 0.3260, 0.4093

Protanomaly

26.5685, 0.3518, 0.4002

Deuteranomaly

26.5953, 0.3583, 0.3849

Tritanomaly

26.8759, 0.3017, 0.3444

Monochromacy



Original Color

26.9702, 0.3260, 0.4093

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.3557, 0.3179, 0.3569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.9702, 0.3260, 0.4093 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(122, 150, 105)` looks like.

```
.text, #text, p{  
    color:rgb(122, 150, 105)  
}
```

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(122, 150, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 150, 105) }
```

Border

The CSS property to change the border of an element to Yxy 26.9702, 0.3260, 0.4093 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(122, 150, 105) }
```

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

```
.border{ border-color:rgb(122, 150, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 150, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 150, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 150, 105);  
box-shadow:4px 4px 4px 4px rgb(122, 150,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 26.9702, 0.3260, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 150, 105) }
```

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

```
.background{ background-color: rgb(122,  
150, 105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor