

Converting Colors

$Y_{xy}(27.8822, 0.3094, 0.4062)$

Have a look what the booklet for
Yxy(27.8822, 0.3094, 0.4062)
contains.

Yxy(27.7258, 0.3091, 0.4050)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7258, 0.3091, 0.4050)

Conversions

Conversions Part 1

Format	Color
Hex	709A70
RGB	112, 154, 112
RGB Percent	44%, 60%, 44%
CMY	0.5609, 0.3960, 0.5607
CMYK	0.27, 0.00, 0.27, 0.40
HSL	120°, 17%, 52%
HSV	120°, 27%, 60%
XYZ	21.1606, 27.7258, 19.5724
YIQ	136.6540, -11.5500, -21.9660

Conversions

Conversions Part 2

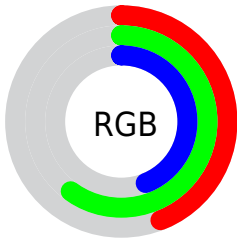
Format	Color
RYB	112, 154, 154
Decimal	7379568
CIELab	59.64, -23.00, 17.54
CIELCh	60, 28.922, 142.664
Yxy	27.7258, 0.3091, 0.4050
Android (android.graphics.Color)	4285569648 (0xFF709A70)
YUV	136.6540, -12.1544, -21.6216
Hunter-Lab	52.6553, -20.4129, 14.8202

Details

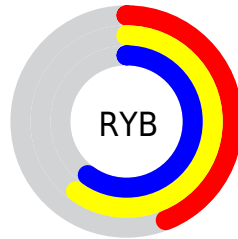
The Yxy color $27.7258, 0.3091, 0.4050$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $20.7844, 0.3159, 0.2632$, and the grayscale version is $24.9279, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.2806, 0.3107, 0.3884$, and $11.0948, 0.3051, 0.4361$ is the 20% darker color. If you saturate the color by 10%, you get $26.4880, 0.3075, 0.4384$, and if you desaturate by 10%, it is $29.1973, 0.3106, 0.3743$.

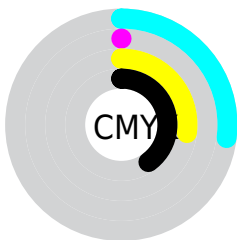
Distribution



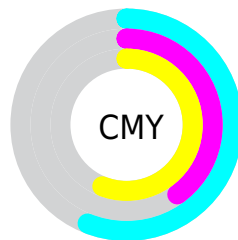
- Red (44%)
- Green (60%)
- Blue (44%)



- Red (44%)
- Yellow (60%)
- Blue (60%)



- Cyan (27%)
- Magenta (0%)
- Yellow (27%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7258, 0.3091, 0.4050 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 27.7258, 0.3091, 0.4050 by changing the saturation by 10% instead.


 27.7258, 0.3091,
0.4050


 27.7258, 0.3091,
0.4050

291.1544, 0.3120,
0.3621


 18.1191, 0.3079,
0.4177

 56.0464, 0.3105,
0.3880


 11.0355, 0.3059,
0.4354


 75.5290, 0.3109,
0.3821

 6.0907, 0.3023,
0.4618

 99.0724, 0.3112,
0.3772

 2.9003, 0.2949,
0.5046

 127.0609, 0.3114,
0.3732

 1.0799, 0.2955,
0.7045

159.8790, 0.3116,
0.3698

 0.0000, 0.0000,
0.0000

197.9110, 0.3117,

0.3668

241.5413, 0.3119,
0.3643

■ 27.7258, 0.3091,
0.4050

■ 27.7258, 0.3091,
0.4050

■ 26.4880, 0.3075,
0.4384

■ 29.1973, 0.3106,
0.3743

■ 25.4686, 0.3059,
0.4733

■ 30.9098, 0.3119,
0.3469

■ 24.6559, 0.3042,
0.5079


■ 32.8749, 0.3130,
0.3228


■ 24.0358, 0.3027,
0.5399


■ 35.1020, 0.3140,
0.3019

■ 23.5925, 0.3015,
0.5666


■ 37.6005, 0.3149,
0.2838

 23.3075, 0.3006,
0.5858

 40.3789, 0.3156,
0.2683

 23.1501, 0.3001,
0.5972

 43.4456, 0.3163,
0.2550

 23.1141, 0.3000,
0.5999

 46.8086, 0.3168,
0.2436

 50.4755, 0.3173,
0.2337

Harmonies

Analogous

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



27.7258, 0.3562, 0.4160



27.7258, 0.3091, 0.4050



27.7258, 0.2651, 0.3677

Triad

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



27.7258, 0.3091, 0.4050



27.7258, 0.2358, 0.2567



27.7258, 0.3964, 0.3293

Complementary

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



27.7258, 0.3091, 0.4050



20.7844, 0.3159, 0.2632

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.



27.7258, 0.3592, 0.2934



27.7258, 0.3091, 0.4050



27.7258, 0.2658, 0.2529

Square

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



27.7258, 0.3091, 0.4050



27.7258, 0.2251, 0.2795



27.7258, 0.3105, 0.2662



27.7258, 0.4088, 0.3675

Rectangle

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



27.7258, 0.3091, 0.4050



27.7258, 0.2431, 0.3356



27.7258, 0.3105, 0.2662



27.7258, 0.3862, 0.3168

Sweetspot

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



27.7270, 0.3091, 0.4050



55.8571, 0.3118, 0.3492



31.1537, 0.3528, 0.3952



12.5372, 0.3116, 0.3529



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.



27.7270, 0.3091, 0.4050



48.8828, 0.3081, 0.4260



28.2497, 0.2911, 0.3661



6.9257, 0.3116, 0.3519



18.8297, 0.3000, 0.5999



0.2815, 0.2998, 0.5993

Inverse Universe

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



20.7844, 0.3159, 0.2632



34.0343, 0.3166, 0.2480



20.1460, 0.3417, 0.2948



6.3235, 0.3138, 0.3071



7.4928, 0.3212, 0.1543



0.1121, 0.3211, 0.1542

Previews

White Background



This preview shows how the Yxy color 27.7258, 0.3091, 0.4050 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 27.7258, 0.3091, 0.4050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

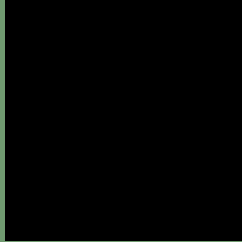
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7258, 0.3091, 0.4050

Background



This preview shows how black text looks on a background with the Yxy color 27.7258, 0.3091, 0.4050.



This preview shows how white text looks on a background with the Yxy color 27.7258, 0.3091, 0.4050.

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

27.7258, 0.3091, 0.4050

Protanopia

27.4788, 0.3610, 0.3873

Deuteranopia

27.5449, 0.3686, 0.3630



Tritanopia

27.7109, 0.2752, 0.3089

Trichromacy



Original Color

27.7258, 0.3091, 0.4050

Protanomaly

27.3748, 0.3404, 0.3936

Deuteranomaly

27.2953, 0.3443, 0.3770

Tritanomaly

27.5778, 0.2869, 0.3410

Monochromacy



Original Color

27.7258, 0.3091, 0.4050

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.7926, 0.3115, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7258, 0.3091, 0.4050 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(112, 154, 112)` looks like.

```
.text, #text, p{  
    color:rgb(112, 154, 112)  
}
```

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(112, 154, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 154, 112) }
```

Border

The CSS property to change the border of an element to Yxy 27.7258, 0.3091, 0.4050 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(112, 154, 112) }
```

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

```
.border{ border-color:rgb(112, 154, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 154, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 154, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 154, 112);  
box-shadow:4px 4px 4px 4px rgb(112, 154,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7258, 0.3091, 0.4050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 154, 112) }
```

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

```
.background{ background-color: rgb(112,  
154, 112) }
```

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