

Converting Colors

$Y_{xy}(27.3253, 0.3108, 0.4293)$

Have a look what the booklet for
Yxy(27.3253, 0.3108, 0.4293)
contains.

Yxy(27.3253, 0.3108, 0.4293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.3253, 0.3108, 0.4293)

Conversions

Conversions Part 1

Format	Color
Hex	689B65
RGB	104, 155, 101
RGB Percent	41%, 61%, 40%
CMY	0.5920, 0.3922, 0.6039
CMYK	0.33, 0.00, 0.35, 0.39
HSL	117°, 21%, 50%
HSV	117°, 35%, 61%
XYZ	19.7827, 27.3253, 16.5428
YIQ	133.5950, -13.0620, -27.6060

Conversions

Conversions Part 2

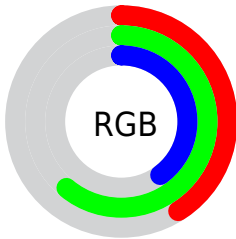
Format	Color
RYB	101, 155, 152
Decimal	6855525
CIELab	59.27, -28.14, 23.06
CIELCh	59, 36.386, 140.667
Yxy	27.3253, 0.3108, 0.4293
Android (android.graphics.Color)	4285045605 (0xFF689B65)
YUV	133.5950, -16.0693, -25.9548
Hunter-Lab	52.2736, -23.9264, 17.8282

Details

The Yxy color $27.3253, 0.3108, 0.4293$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $18.3444, 0.3128, 0.2441$, and the grayscale version is $23.7510, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.5283, 0.3126, 0.4073$, and $10.7418, 0.3073, 0.4706$ is the 20% darker color. If you saturate the color by 10%, you get $26.2497, 0.3097, 0.4635$, and if you desaturate by 10%, it is $28.6124, 0.3116, 0.3969$.

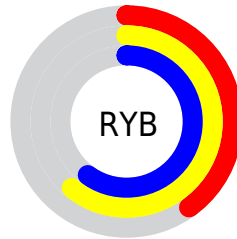
Distribution



Red (41%)

Green (61%)

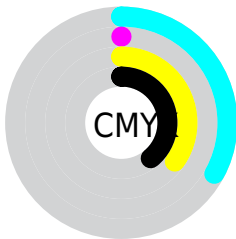
Blue (40%)



Red (40%)

Yellow (61%)

Blue (60%)

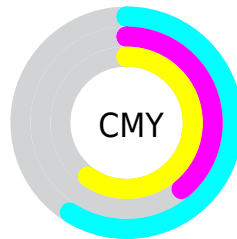


Cyan (33%)

Magenta (0%)

Yellow (35%)

Black (39%)



Cyan (59%)


Magenta (39%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.3253, 0.3108, 0.4293 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 27.3253, 0.3108, 0.4293 by changing the saturation by 10% instead.


 27.3253, 0.3108,
0.4293


 27.3253, 0.3108,
0.4293


289.2287, 0.3134,
0.3721


 17.8177, 0.3093,
0.4464


 55.4054, 0.3123,
0.4065

 10.8192, 0.3066,
0.4704


 74.7467, 0.3127,
0.3986

 5.9454, 0.3014,
0.5059

 98.1347, 0.3129,
0.3922

 2.8119, 0.2911,
0.5659

 125.9538, 0.3131,
0.3868

 1.0343, 0.2183,
0.7817

158.5883, 0.3132,
0.3823

 0.0000, 0.0000,
0.0000

196.4227, 0.3133,

0.3784

239.8414, 0.3133,
0.3750

■ 27.3253, 0.3108,
0.4293

■ 27.3253, 0.3108,
0.4293

■ 26.2497, 0.3097,
0.4635

■ 28.6124, 0.3116,
0.3969

■ 25.3709, 0.3084,
0.4980

■ 30.1177, 0.3122,
0.3672

■ 24.6782, 0.3068,
0.5306


■ 31.8520, 0.3126,
0.3407


■ 24.1580, 0.3051,
0.5587

■ 33.8243, 0.3128,
0.3173


■ 23.7951, 0.3034,
0.5802

■ 36.0430, 0.3129,
0.2970

 23.5715, 0.3018,
0.5937

 38.5163, 0.3130,
0.2794

 23.4977, 0.3015,
0.5988

 41.2520, 0.3129,
0.2642

 44.2574, 0.3128,
0.2511

 47.5396, 0.3127,
0.2398

Harmonies

Analogous

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



27.3253, 0.3695, 0.4388



27.3253, 0.3108, 0.4293



27.3253, 0.2556, 0.3823

Triad

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



27.3253, 0.3108, 0.4293



27.3253, 0.2160, 0.2401



27.3253, 0.4165, 0.3248

Complementary

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



27.3253, 0.3108, 0.4293



18.3444, 0.3128, 0.2441

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.



27.3253, 0.3672, 0.2820



27.3253, 0.3108, 0.4293



27.3253, 0.2508, 0.2349

Square

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



27.3253, 0.3108, 0.4293



27.3253, 0.2046, 0.2685



27.3253, 0.3051, 0.2501



27.3253, 0.4340, 0.3716

Rectangle

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



27.3253, 0.3108, 0.4293



27.3253, 0.2280, 0.3405



27.3253, 0.3051, 0.2501



27.3253, 0.4028, 0.3097

Sweetspot

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



27.3265, 0.3108, 0.4293



55.3309, 0.3124, 0.3545



30.1686, 0.3654, 0.4084



12.4331, 0.3123, 0.3580



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.



27.3265, 0.3108, 0.4293



47.3732, 0.3100, 0.4565



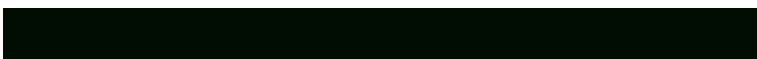
27.6733, 0.2887, 0.3850



6.9414, 0.3124, 0.3519



18.8803, 0.3017, 0.5987



0.2861, 0.3099, 0.5921

Inverse Universe

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



18.3444, 0.3128, 0.2441



28.7512, 0.3125, 0.2253



17.9302, 0.3474, 0.2792



6.3059, 0.3129, 0.3070



6.8343, 0.3072, 0.1466



0.1068, 0.3137, 0.1502

Previews

White Background



This preview shows how the Yxy color 27.3253, 0.3108, 0.4293 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 27.3253, 0.3108, 0.4293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

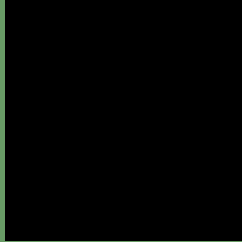
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.3253, 0.3108, 0.4293

Background



This preview shows how black text looks on a background with the Yxy color 27.3253, 0.3108, 0.4293.



This preview shows how white text looks on a background with the Yxy color 27.3253, 0.3108, 0.4293.

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

27.3253, 0.3108, 0.4293

Protanopia

27.0606, 0.3740, 0.4031

Deuteranopia

26.9531, 0.3843, 0.3766



Tritanopia

27.3627, 0.2708, 0.3087

Trichromacy



Original Color

27.3253, 0.3108, 0.4293

Protanomaly

26.9835, 0.3488, 0.4130

Deuteranomaly

26.6641, 0.3548, 0.3942

Tritanomaly

27.3768, 0.2850, 0.3501

Monochromacy



Original Color

27.3253, 0.3108, 0.4293

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9621, 0.3121, 0.3648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.3253, 0.3108, 0.4293 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(104, 155, 101)` looks like.

```
.text, #text, p{  
    color:rgb(104, 155, 101)  
}
```

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(104, 155, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 155, 101) }
```

Border

The CSS property to change the border of an element to Yxy 27.3253, 0.3108, 0.4293 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(104, 155, 101) }
```

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

```
.border{ border-color:rgb(104, 155, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 155, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 155, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 155, 101);  
box-shadow:4px 4px 4px 4px rgb(104, 155,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 27.3253, 0.3108, 0.4293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 155, 101) }
```

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

```
.background{ background-color: rgb(104,  
155, 101) }
```

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