

Converting Colors

$Y_{xy}(29.8845, 0.2887, 0.3777)$

Have a look what the booklet for
Yxy(29.8845, 0.2887, 0.3777)
contains.

Yxy(29.9957, 0.2889, 0.3781)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9957, 0.2889, 0.3781)

Conversions

Conversions Part 1

Format	Color
Hex	6CA084
RGB	108, 160, 132
RGB Percent	42%, 63%, 52%
CMY	0.5765, 0.3725, 0.4823
CMYK	0.33, 0.00, 0.17, 0.37
HSL	148°, 21%, 53%
HSV	148°, 33%, 63%
XYZ	22.9192, 29.9957, 26.4178
YIQ	141.2600, -22.0040, -19.7320

Conversions

Conversions Part 2

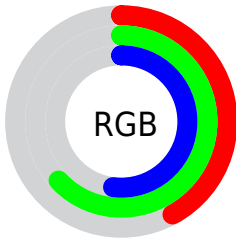
Format	Color
RYB	108, 144, 160
Decimal	7118980
CIELab	61.65, -23.49, 9.14
CIELCh	62, 25.203, 158.739
Yxy	29.9957, 0.2889, 0.3781
Android (android.graphics.Color)	4285309060 (0xFF6CA084)
YUV	141.2600, -4.5652, -29.1690
Hunter-Lab	54.7683, -21.1466, 9.7390

Details

The Yxy color **29.9957, 0.2889, 0.3781** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9722, 0.3465, 0.2848**, and the grayscale version is **26.7676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6807, 0.2942, 0.3676**, and **12.2492, 0.2796, 0.3950** is the 20% darker color. If you saturate the color by 10%, you get **28.8582, 0.2827, 0.3964**, and if you desaturate by 10%, it is **31.3392, 0.2958, 0.3613**.

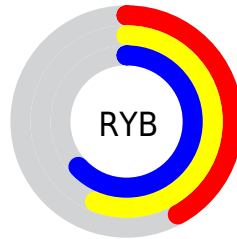
Distribution



Red (42%)

Green (63%)

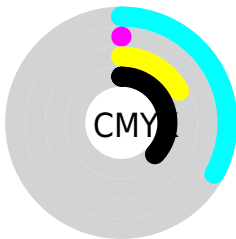
Blue (52%)



Red (42%)

Yellow (56%)

Blue (63%)

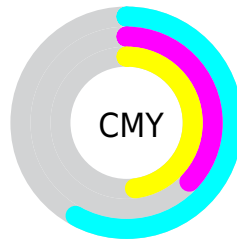


Cyan (33%)

Magenta (0%)

Yellow (17%)

Black (37%)



Cyan (58%)


Magenta (37%)

Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9957, 0.2889, 0.3781 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 29.9957, 0.2889, 0.3781 by changing the saturation by 10% instead.


 29.9957, 0.2889,
0.3781


 29.9957, 0.2889,
0.3781


301.8844, 0.3021,
0.3509


 19.8353, 0.2851,
0.3859


 59.6554, 0.2940,
0.3675


 12.2754, 0.2799,
0.3967


 79.9235, 0.2958,
0.3638

 6.9315, 0.2723,
0.4124


 104.3296, 0.2973,
0.3607

 3.4193, 0.2602,
0.4376

 133.2581, 0.2986,
0.3581

 1.3544, 0.2354,
0.4885

167.0935, 0.2997,
0.3559

 0.1827, 0.0000,
1.0000

206.2201, 0.3006,

 0.0000, 0.0000,

0.3540

0.0000

251.0222, 0.3014,
0.3524

■ 29.9957, 0.2889,
0.3781

■ 29.9957, 0.2889,
0.3781

■ 28.8582, 0.2827,
0.3964

■ 31.3392, 0.2958,
0.3613

■ 27.9125, 0.2777,
0.4159

■ 32.8949, 0.3032,
0.3460

■ 27.1482, 0.2739,
0.4363

■ 34.6729, 0.3108,
0.3322

■ 26.5526, 0.2719,
0.4571


■ 36.6820, 0.3184,
0.3200


■ 26.1110, 0.2717,
0.4776


■ 38.9303, 0.3260,
0.3092

 25.8062, 0.2734,
0.4974

 41.4254, 0.3334,
0.2997

 25.6369, 0.2754,
0.5114

 44.1748, 0.3405,
0.2913

 47.1854, 0.3473,
0.2840

 50.4641, 0.3537,
0.2777

Harmonies

Analogous

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



29.9957, 0.3291, 0.4002



29.9957, 0.2889, 0.3781



29.9957, 0.2565, 0.3403

Triad

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



29.9957, 0.2889, 0.3781



29.9957, 0.2588, 0.2631



29.9957, 0.3923, 0.3478

Complementary

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



29.9957, 0.2889, 0.3781



19.9722, 0.3465, 0.2848

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.



29.9957, 0.3711, 0.3148



29.9957, 0.2889, 0.3781



29.9957, 0.2923, 0.2678

Square

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



29.9957, 0.2889, 0.3781



29.9957, 0.2401, 0.2745



29.9957, 0.3336, 0.2863



29.9957, 0.3902, 0.3787

Rectangle

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



29.9957, 0.2889, 0.3781



29.9957, 0.2430, 0.3138



29.9957, 0.3336, 0.2863



29.9957, 0.3876, 0.3366

Sweetspot

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



29.9969, 0.2889, 0.3781



60.4359, 0.3049, 0.3426



31.5100, 0.3361, 0.4148



13.1653, 0.3039, 0.3445



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.9969, 0.2889, 0.3781



52.9294, 0.2844, 0.3912



30.7786, 0.2693, 0.3332



7.4495, 0.3057, 0.3413



19.9780, 0.2749, 0.5097



0.3657, 0.2540, 0.4344

Inverse Universe

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



19.9722, 0.3465, 0.2848



31.8477, 0.3569, 0.2747



19.3340, 0.3816, 0.3250



6.7028, 0.3204, 0.3170



6.3551, 0.4759, 0.2395



0.1221, 0.4010, 0.1982

Previews

White Background



This preview shows how the Yxy color 29.9957, 0.2889, 0.3781 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 29.9957, 0.2889, 0.3781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

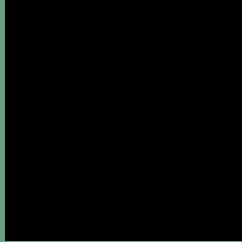
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9957, 0.2889, 0.3781

Background



This preview shows how black text looks on a background with the Yxy color 29.9957, 0.2889, 0.3781.



This preview shows how white text looks on a background with the Yxy color 29.9957, 0.2889, 0.3781.

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

29.9957, 0.2889, 0.3781

Protanopia

29.7541, 0.3430, 0.3636

Deuteranopia

29.6380, 0.3461, 0.3396



Tritanopia

29.9147, 0.2660, 0.3077

Trichromacy



Original Color

29.9957, 0.2889, 0.3781

Protanomaly

29.5040, 0.3220, 0.3686

Deuteranomaly

29.3552, 0.3231, 0.3516

Tritanomaly

29.9252, 0.2737, 0.3323

Monochromacy



Original Color

29.9957, 0.2889, 0.3781

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.6819, 0.3028, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9957, 0.2889, 0.3781 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(108, 160, 132)` looks like.

```
.text, #text, p{  
    color:rgb(108, 160, 132)  
}
```

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(108, 160, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 160, 132) }
```

Border

The CSS property to change the border of an element to Yxy 29.9957, 0.2889, 0.3781 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(108, 160, 132) }
```

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

```
.border{ border-color:rgb(108, 160, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 160, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 160, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 160, 132);  
box-shadow:4px 4px 4px 4px rgb(108, 160,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9957, 0.2889, 0.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 160, 132) }
```

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

```
.background{ background-color: rgb(108,  
160, 132) }
```

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