

Converting Colors

$Yxy(30.7892, 0.2789, 0.3634)$

Have a look what the booklet for
Yxy(30.7892, 0.2789, 0.3634)
contains.

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Color

Yxy(30.7969, 0.2789, 0.3635)

Conversions

Conversions Part 1

Format	Color
Hex	69A28E
RGB	105, 162, 142
RGB Percent	41%, 64%, 56%
CMY	0.5882, 0.3647, 0.4431
CMYK	0.35, 0.00, 0.12, 0.36
HSL	159°, 23%, 52%
HSV	159°, 35%, 64%
XYZ	23.6293, 30.7969, 30.2970
YIQ	142.6770, -27.5520, -18.3040

Conversions

Conversions Part 2

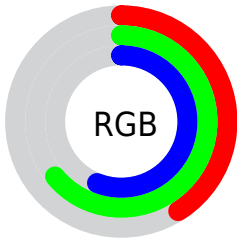
Format	Color
RYB	105, 140, 162
Decimal	6922894
CIELab	62.34, -23.26, 4.49
CIELCh	62, 23.690, 169.070
Yxy	30.7969, 0.2789, 0.3635
Android (android.graphics.Color)	4285112974 (0xFF69A28E)
YUV	142.6770, -0.3338, -33.0427
Hunter-Lab	55.4950, -21.1123, 6.4776

Details

The Yxy color **30.7969, 0.2789, 0.3635** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2648, 0.3651, 0.2974**, and the grayscale version is **27.3432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.8803, 0.2856, 0.3557**, and **12.7088, 0.2668, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **29.7425, 0.2711, 0.3753**, and if you desaturate by 10%, it is **32.0493, 0.2877, 0.3526**.

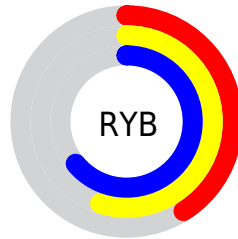
Distribution



Red (41%)

Green (64%)

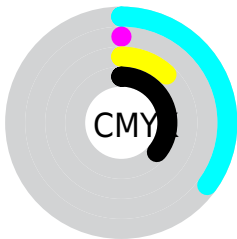
Blue (56%)



Red (41%)

Yellow (55%)

Blue (64%)

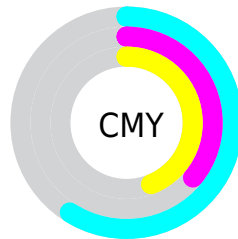


Cyan (35%)

Magenta (0%)

Yellow (12%)

Black (36%)



Cyan (59%)


Magenta (36%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7969, 0.2789, 0.3635 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 30.7969, 0.2789, 0.3635 by changing the saturation by 10% instead.


 30.7969, 0.2789,
0.3635


 30.7969, 0.2789,
0.3635


305.6015, 0.2971,
0.3447


 20.4442, 0.2739,
0.3688


 60.9202, 0.2859,
0.3563


 12.7184, 0.2671,
0.3760


 81.4596, 0.2884,
0.3537

 7.2349, 0.2574,
0.3863


 106.1633, 0.2905,
0.3515

 3.6094, 0.2427,
0.4025

 135.4159, 0.2922,
0.3497

 1.4576, 0.2163,
0.4317

169.6016, 0.2937,
0.3482

 0.2586, 0.0000,
1.0000

209.1048, 0.2950,

 0.0000, 0.0000,

0.3469

0.0000

254.3100, 0.2961,
0.3457

■ 30.7969, 0.2789,
0.3635

■ 30.7969, 0.2789,
0.3635

■ 29.7425, 0.2711,
0.3753

■ 32.0493, 0.2877,
0.3526

■ 28.8717, 0.2647,
0.3877

■ 33.5060, 0.2973,
0.3425

■ 28.1739, 0.2599,
0.4007


■ 35.1774, 0.3074,
0.3334

■ 27.6357, 0.2569,
0.4139


■ 37.0722, 0.3177,
0.3252


■ 27.2419, 0.2559,
0.4273

■ 39.1985, 0.3281,
0.3178


 26.9732, 0.2567,
0.4404

 41.5642, 0.3384,
0.3113

 26.8656, 0.2574,
0.4467

 44.1767, 0.3485,
0.3056

 47.0430, 0.3583,
0.3006

 50.1698, 0.3677,
0.2962

Harmonies

Analogous

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



30.7969, 0.3150, 0.3903



30.7969, 0.2789, 0.3635



30.7969, 0.2528, 0.3267

Triad

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



30.7969, 0.2789, 0.3635



30.7969, 0.2718, 0.2672



30.7969, 0.3887, 0.3573

Complementary

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



30.7969, 0.2789, 0.3635



19.2648, 0.3651, 0.2974

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.



30.7969, 0.3760, 0.3263



30.7969, 0.2789, 0.3635



30.7969, 0.3067, 0.2763

Square

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



30.7969, 0.2789, 0.3635



30.7969, 0.2490, 0.2727



30.7969, 0.3453, 0.2975



30.7969, 0.3794, 0.3837

Rectangle

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



30.7969, 0.2789, 0.3635



30.7969, 0.2439, 0.3035



30.7969, 0.3453, 0.2975



30.7969, 0.3869, 0.3472

Sweetspot

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



30.7982, 0.2789, 0.3635



61.9855, 0.3013, 0.3388



31.2893, 0.3274, 0.4258



13.8363, 0.3000, 0.3400



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



30.7982, 0.2789, 0.3635



54.4204, 0.2729, 0.3724



28.8559, 0.2625, 0.3160



7.9689, 0.3032, 0.3370



21.1732, 0.2571, 0.4456



0.4533, 0.2439, 0.3981

Inverse Universe

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



19.2648, 0.3651, 0.2974



30.3812, 0.3817, 0.2904



20.4226, 0.3897, 0.3415



7.1251, 0.3232, 0.3211



6.2902, 0.5528, 0.2819



0.1409, 0.4576, 0.2295

Previews

White Background



This preview shows how the Yxy color 30.7969, 0.2789, 0.3635 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7969, 0.2789, 0.3635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

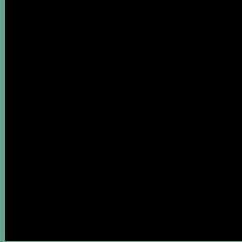
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

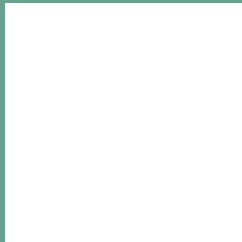
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7969, 0.2789, 0.3635

Background



This preview shows how black text looks on a background with the Yxy color 30.7969, 0.2789, 0.3635.

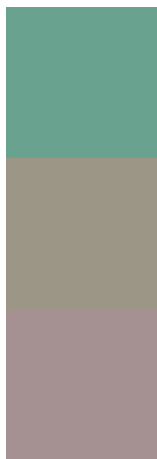


This preview shows how white text looks on a background with the Yxy color 30.7969, 0.2789, 0.3635.

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

30.7969, 0.2789, 0.3635

Protanopia

30.6299, 0.3335, 0.3524

Deuteranopia

30.4331, 0.3341, 0.3276



Tritanopia

30.8387, 0.2621, 0.3078

Trichromacy



Original Color

30.7969, 0.2789, 0.3635

Protanomaly

30.2645, 0.3105, 0.3552

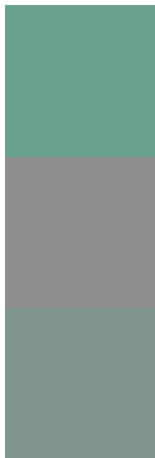
Deuteranomaly

30.1068, 0.3113, 0.3386

Tritanomaly

30.5855, 0.2680, 0.3272

Monochromacy



Original Color

30.7969, 0.2789, 0.3635

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.4630, 0.2982, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7969, 0.2789, 0.3635 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(105, 162, 142)` looks like.

```
.text, #text, p{  
    color:rgb(105, 162, 142)  
}
```

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(105, 162, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 162, 142) }
```

Border

The CSS property to change the border of an element to Yxy 30.7969, 0.2789, 0.3635 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(105, 162, 142) }
```

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

```
.border{ border-color:rgb(105, 162, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 162, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 162, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 162, 142);  
box-shadow:4px 4px 4px 4px rgb(105, 162,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7969, 0.2789, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 162, 142) }
```

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

```
.background{ background-color: rgb(105,  
162, 142) }
```

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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