

Converting Colors

$Y_{xy}(28.8029, 0.2706, 0.3190)$

Have a look what the booklet for
Yxy(28.8029, 0.2706, 0.3190)
contains.

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Color

Yxy(28.7964, 0.2708, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	71999F
RGB	113, 153, 159
RGB Percent	44%, 60%, 62%
CMY	0.5568, 0.4000, 0.3765
CMYK	0.29, 0.04, 0.00, 0.38
HSL	188°, 19%, 53%
HSV	188°, 29%, 62%
XYZ	24.4607, 28.7964, 37.0704
YIQ	141.7240, -25.7660, -6.6140

Conversions

Conversions Part 2

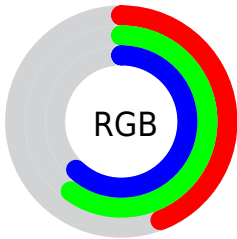
Format	Color
R_{YB}	113, 134, 159
Decimal	7444895
CIE _{Lab}	60.60, -12.14, -7.58
CIE _{LCh}	61, 14.313, 211.987
Yxy	28.7964, 0.2708, 0.3188
Android (android.graphics.Color)	4285634975 (0xFF71999F)
YUV	141.7240, 8.5171, -25.1909
Hunter-Lab	53.6623, -12.5440, -3.3945

Details

The Yxy color **28.7964, 0.2708, 0.3188** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.7616, 0.3719, 0.3389**, and the grayscale version is **26.9106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5877, 0.2790, 0.3202**, and **11.6422, 0.2564, 0.3139** is the 20% darker color. If you saturate the color by 10%, you get **27.1601, 0.2579, 0.3148**, and if you desaturate by 10%, it is **30.6316, 0.2847, 0.3226**.

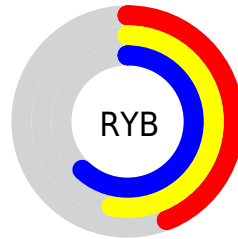
Distribution



Red (44%)

Green (60%)

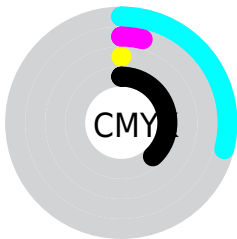
Blue (62%)



Red (44%)

Yellow (53%)

Blue (62%)

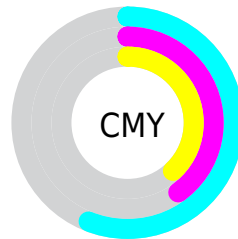


Cyan (29%)

Magenta (4%)

Yellow (0%)

Black (38%)



Cyan (56%)


Magenta (40%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7964, 0.2708, 0.3188 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 28.7964, 0.2708, 0.3188 by changing the saturation by 10% instead.


 28.7964, 0.2708,
0.3188

 28.7964, 0.2708,
0.3188


296.2531, 0.2932,
0.3246

 18.9269, 0.2647,
0.3171


 57.7534, 0.2793,
0.3211


 11.6174, 0.2566,
0.3146


 77.6097, 0.2824,
0.3219

 6.4838, 0.2452,
0.3110


 101.5637, 0.2849,
0.3226

 3.1414, 0.2280,
0.3051

 129.9998, 0.2871,
0.3231

 1.2060, 0.1996,
0.2939

163.3024, 0.2889,
0.3236

 0.0666, 0.0000,
0.0995

201.8559, 0.2905,

 0.0000, 0.0000,

0.3240

0.0000

246.0447, 0.2919,
0.3243

■ 28.7964, 0.2708,
0.3188

■ 28.7964, 0.2708,
0.3188

■ 27.1601, 0.2579,
0.3148

■ 30.6316, 0.2847,
0.3226

■ 25.7095, 0.2463,
0.3105

■ 32.6713, 0.2993,
0.3261

■ 24.4353, 0.2363,
0.3061

■ 34.9249, 0.3144,
0.3293

■ 23.3256, 0.2279,
0.3017

■ 37.4005, 0.3296,
0.3323

■ 22.3674, 0.2214,
0.2971

■ 40.1055, 0.3448,
0.3349

■ 21.5452, 0.2168,
0.2926

■ 43.0471, 0.3597,
0.3372

■ 20.8275, 0.2136,
0.2882

■ 46.2321, 0.3743,
0.3392

■ 20.7520, 0.2133,
0.2877

■ 49.6671, 0.3884,
0.3410

■ 53.1456, 0.4009,
0.3426

Harmonies

Analogous

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



28.7964, 0.2837, 0.3409



28.7964, 0.2708, 0.3188



28.7964, 0.2687, 0.3007

Triad

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



28.7964, 0.2708, 0.3188



28.7964, 0.3197, 0.3005



28.7964, 0.3481, 0.3679

Complementary

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



28.7964, 0.2708, 0.3188



21.7616, 0.3719, 0.3389

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.



28.7964, 0.3587, 0.3552



28.7964, 0.2708, 0.3188



28.7964, 0.3420, 0.3169

Square

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



28.7964, 0.2708, 0.3188



28.7964, 0.2962, 0.2911



28.7964, 0.3565, 0.3366



28.7964, 0.3281, 0.3701

Rectangle

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



28.7964, 0.2708, 0.3188



28.7964, 0.2736, 0.2931



28.7964, 0.3565, 0.3366



28.7964, 0.3529, 0.3646

Sweetspot

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



28.7976, 0.2708, 0.3188



58.4140, 0.2989, 0.3260



29.6258, 0.3044, 0.4008



13.0507, 0.2969, 0.3256



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.



28.7976, 0.2708, 0.3188



49.5572, 0.2620, 0.3161



22.1521, 0.2667, 0.2795



7.3617, 0.2988, 0.3260



16.4332, 0.2134, 0.2881



0.3310, 0.2183, 0.3060

Inverse Universe

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



21.4848, 0.3230, 0.2674



34.3586, 0.3259, 0.2530



27.7240, 0.3623, 0.3739



6.7397, 0.3156, 0.3098



7.2812, 0.3561, 0.1735



0.1339, 0.3402, 0.1648

Previews

White Background



This preview shows how the Yxy color 28.7964, 0.2708, 0.3188 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 28.7964, 0.2708, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

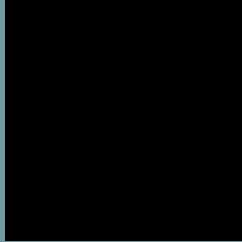
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

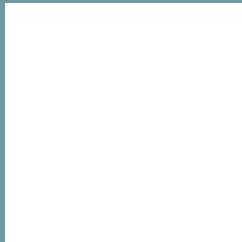
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.7964, 0.2708, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 28.7964, 0.2708, 0.3188.

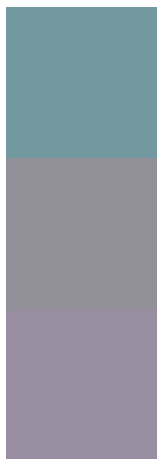


This preview shows how white text looks on a background with the Yxy color 28.7964, 0.2708, 0.3188.

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

28.7964, 0.2708, 0.3188

Protanopia

28.6949, 0.3051, 0.3148

Deuteranopia

28.6915, 0.3057, 0.3000



Tritanopia

28.7142, 0.2676, 0.3090

Trichromacy



Original Color

28.7964, 0.2708, 0.3188

Protanomaly

28.6484, 0.2914, 0.3160

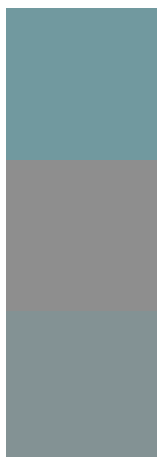
Deuteranomaly

28.4991, 0.2917, 0.3067

Tritanomaly

28.6425, 0.2691, 0.3122

Monochromacy



Original Color

28.7964, 0.2708, 0.3188

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.5212, 0.2956, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7964, 0.2708, 0.3188 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(113, 153, 159)` looks like.

```
.text, #text, p{  
    color:rgb(113, 153, 159)  
}
```

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(113, 153, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 153, 159) }
```

Border

The CSS property to change the border of an element to Yxy 28.7964, 0.2708, 0.3188 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(113, 153, 159) }
```

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

```
.border{ border-color:rgb(113, 153, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 153, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 153, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 153, 159);  
box-shadow:4px 4px 4px 4px rgb(113, 153,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7964, 0.2708, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 153, 159) }
```

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

```
.background{ background-color: rgb(113,  
153, 159) }
```

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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