

Converting Colors

$Y_{xy}(28.6930, 0.2755, 0.3272)$

Have a look what the booklet for
Yxy(28.6930, 0.2755, 0.3272)
contains.

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Color

Yxy(28.6930, 0.2755, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	72999A
RGB	114, 153, 154
RGB Percent	45%, 60%, 60%
CMY	0.5531, 0.4000, 0.3960
CMYK	0.26, 0.01, 0.00, 0.40
HSL	181°, 17%, 53%
HSV	181°, 26%, 60%
XYZ	24.1593, 28.6930, 34.8402
YIQ	141.4530, -23.5650, -7.9570

Conversions

Conversions Part 2

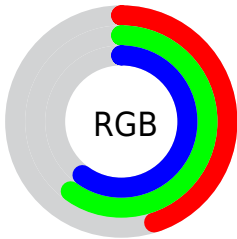
Format	Color
RYB	114, 134, 154
Decimal	7510426
CIELab	60.51, -13.06, -4.88
CIELCh	61, 13.939, 200.501
Yxy	28.6930, 0.2755, 0.3272
Android (android.graphics.Color)	4285700506 (0xFF72999A)
YUV	141.4530, 6.1857, -24.0763
Hunter-Lab	53.5658, -13.2331, -1.0673

Details

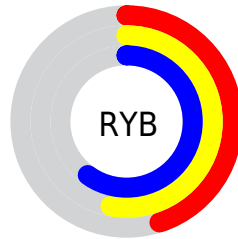
The Yxy color **28.6930, 0.2755, 0.3272** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.3350, 0.3658, 0.3308**, and the grayscale version is **26.8026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3952, 0.2834, 0.3277**, and **11.5720, 0.2627, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **27.6221, 0.2631, 0.3264**, and if you desaturate by 10%, it is **29.9405, 0.2891, 0.3279**.

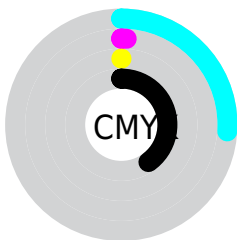
Distribution



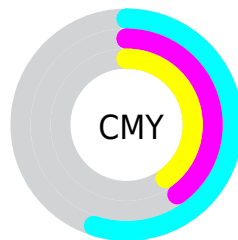
- Red (45%)
- Green (60%)
- Blue (60%)



- Red (45%)
- Yellow (53%)
- Blue (60%)



- Cyan (26%)
- Magenta (1%)
- Yellow (0%)
- Black (40%)





- Cyan (55%)
- Magenta (40%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6930, 0.2755, 0.3272 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 28.6930, 0.2755, 0.3272 by changing the saturation by 10% instead.


 28.6930, 0.2755,
0.3272


 28.6930, 0.2755,
0.3272

295.7637, 0.2954,
0.3284

 18.8487, 0.2700,
0.3268


 57.5890, 0.2831,
0.3277


 11.5610, 0.2627,
0.3261


 77.4094, 0.2858,
0.3279

 6.4455, 0.2524,
0.3250


 101.3241, 0.2881,
0.3280

 3.1178, 0.2368,
0.3231

 129.7173, 0.2900,
0.3281

 1.1936, 0.2103,
0.3189

162.9734, 0.2917,
0.3282

 0.0564, 0.0000,
0.1229

201.4770, 0.2931,

 0.0000, 0.0000,

0.3283

0.0000

245.6122, 0.2943,
0.3284

■ 28.6930, 0.2755,
0.3272

■ 28.6930, 0.2755,
0.3272

■ 27.6221, 0.2631,
0.3264

■ 29.9405, 0.2891,
0.3279

■ 26.7156, 0.2521,
0.3256

■ 31.3692, 0.3037,
0.3286

■ 25.9653, 0.2428,
0.3248

■ 32.9878, 0.3188,
0.3292

■ 25.3606, 0.2352,
0.3240

■ 34.8036, 0.3344,
0.3298

■ 24.8899, 0.2295,
0.3232

■ 36.8232, 0.3500,
0.3303

■ 24.5397, 0.2256,
0.3224

■ 39.0532, 0.3656,
0.3308

■ 24.2911, 0.2233,
0.3216

■ 41.4998, 0.3809,
0.3312

■ 24.2025, 0.2226,
0.3213

■ 44.1688, 0.3957,
0.3316

■ 47.0660, 0.4100,
0.3319

Harmonies

Analogous

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



28.6930, 0.2915, 0.3485



28.6930, 0.2755, 0.3272



28.6930, 0.2692, 0.3074

Triad

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



28.6930, 0.2755, 0.3272



28.6930, 0.3105, 0.2967



28.6930, 0.3525, 0.3632

Complementary

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



28.6930, 0.2755, 0.3272



20.3350, 0.3658, 0.3308

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.



28.6930, 0.3583, 0.3481



28.6930, 0.2755, 0.3272



28.6930, 0.3335, 0.3104

Square

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



28.6930, 0.2755, 0.3272



28.6930, 0.2889, 0.2908



28.6930, 0.3512, 0.3289



28.6930, 0.3360, 0.3696

Rectangle

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



28.6930, 0.2755, 0.3272



28.6930, 0.2712, 0.2978



28.6930, 0.3512, 0.3289



28.6930, 0.3558, 0.3589

Sweetspot

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



28.6942, 0.2755, 0.3272



56.3903, 0.3005, 0.3285



27.9176, 0.3088, 0.3997



12.6773, 0.2984, 0.3284



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.



28.6942, 0.2755, 0.3272



50.9877, 0.2684, 0.3268



22.7688, 0.2724, 0.2926



7.0002, 0.2989, 0.3284



19.7240, 0.2226, 0.3213



0.3020, 0.2236, 0.3249

Inverse Universe

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



21.1954, 0.3168, 0.2676



35.1106, 0.3178, 0.2544



25.3149, 0.3580, 0.3628



6.3210, 0.3141, 0.3076



7.3965, 0.3271, 0.1575



0.1113, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 28.6930, 0.2755, 0.3272 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 28.6930, 0.2755, 0.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

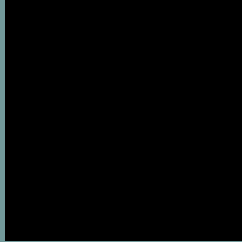
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

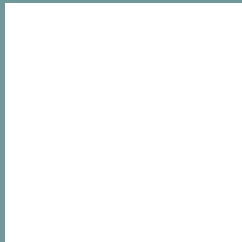
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.6930, 0.2755, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 28.6930, 0.2755, 0.3272.

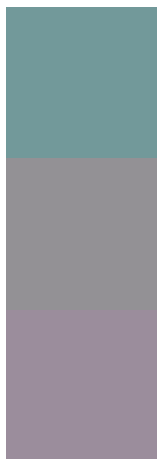


This preview shows how white text looks on a background with the Yxy color 28.6930, 0.2755, 0.3272.

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

28.6930, 0.2755, 0.3272

Protanopia

28.6238, 0.3109, 0.3227

Deuteranopia

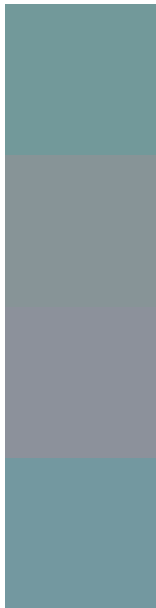
28.4186, 0.3127, 0.3060



Tritanopia

28.8498, 0.2692, 0.3091

Trichromacy



Original Color

28.6930, 0.2755, 0.3272

Protanomaly

28.5651, 0.2969, 0.3241

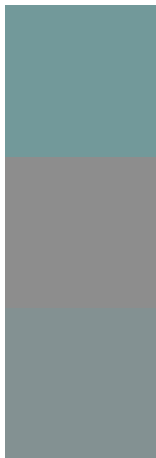
Deuteranomaly

28.1928, 0.2981, 0.3130

Tritanomaly

28.6394, 0.2715, 0.3155

Monochromacy



Original Color

28.6930, 0.2755, 0.3272

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.1514, 0.2974, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6930, 0.2755, 0.3272 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(114, 153, 154)` looks like.

```
.text, #text, p{  
    color:rgb(114, 153, 154)  
}
```

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(114, 153, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 153, 154) }
```

Border

The CSS property to change the border of an element to Yxy 28.6930, 0.2755, 0.3272 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(114, 153, 154) }
```

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

```
.border{ border-color:rgb(114, 153, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 153, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 153, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 153, 154);  
box-shadow:4px 4px 4px 4px rgb(114, 153,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6930, 0.2755, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 153, 154) }
```

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

```
.background{ background-color: rgb(114,  
153, 154) }
```

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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