

Converting Colors

$Y_{xy}(30.0731, 0.2731, 0.3112)$

Have a look what the booklet for
Yxy(30.0731, 0.2731, 0.3112)
contains.

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Color

Yxy(29.8928, 0.2729, 0.3110)

Conversions

Conversions Part 1

Format	Color
Hex	799AA5
RGB	121, 154, 165
RGB Percent	47%, 60%, 65%
CMY	0.5256, 0.3960, 0.3529
CMYK	0.27, 0.07, 0.00, 0.35
HSL	195°, 20%, 56%
HSV	195°, 27%, 65%
XYZ	26.2307, 29.8928, 39.9948
YIQ	145.3870, -23.1990, -3.5750

Conversions

Conversions Part 2

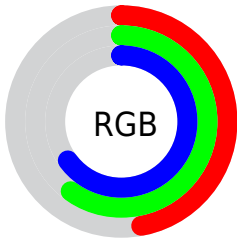
Format	Color
R _Y B	121, 140, 165
Decimal	7969445
CIE Lab	61.56, -8.79, -9.51
CIE LCh	62, 12.944, 227.258
Yxy	29.8928, 0.2729, 0.3110
Android (android.graphics.Color)	4286159525 (0xFF799AA5)
YUV	145.3870, 9.6692, -21.3874
Hunter-Lab	54.6743, -10.0424, -5.0992

Details

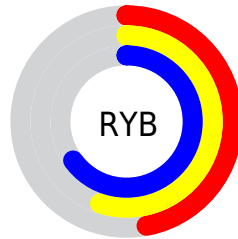
The Yxy color **29.8928, 0.2729, 0.3110** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.8804, 0.3642, 0.3463**, and the grayscale version is **28.4468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2777, 0.2807, 0.3144**, and **12.2323, 0.2601, 0.3051** is the 20% darker color. If you saturate the color by 10%, you get **27.4634, 0.2588, 0.3032**, and if you desaturate by 10%, it is **32.5753, 0.2876, 0.3183**.

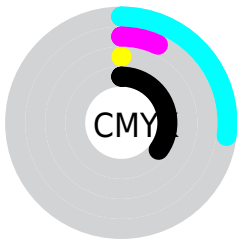
Distribution



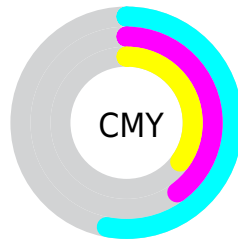
- Red (47%)
- Green (60%)
- Blue (65%)



- Red (47%)
- Yellow (55%)
- Blue (65%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)





- Cyan (53%)
- Magenta (40%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8928, 0.2729, 0.3110 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 29.8928, 0.2729, 0.3110 by changing the saturation by 10% instead.


 29.8928, 0.2729,
0.3110

 29.8928, 0.2729,
0.3110


301.4045, 0.2940,
0.3209


 19.7572, 0.2672,
0.3082


 59.4926, 0.2809,
0.3148

 12.2187, 0.2596,
0.3043


 79.7256, 0.2838,
0.3162

 6.8928, 0.2490,
0.2988


 104.0933, 0.2862,
0.3173

 3.3951, 0.2333,
0.2902

132.9799, 0.2882,
0.3183

 1.3413, 0.2076,
0.2750

166.7700, 0.2900,
0.3191

 0.1729, 0.0000,
0.1685

205.8478, 0.2915,

 0.0000, 0.0000,

0.3198

0.0000

250.5978, 0.2929,
0.3204

■ 29.8928, 0.2729,
0.3110

■ 29.8928, 0.2729,
0.3110

■ 27.4634, 0.2588,
0.3032

■ 32.5753, 0.2876,
0.3183

■ 25.2728, 0.2457,
0.2949

■ 35.5175, 0.3026,
0.3249

■ 23.3103, 0.2338,
0.2862

■ 38.7301, 0.3177,
0.3309

■ 21.5630, 0.2234,
0.2772

■ 42.2219, 0.3326,
0.3363

■ 20.0164, 0.2149,
0.2680

■ 46.0015, 0.3472,
0.3412

■ 18.6538, 0.2082,
0.2588

■ 50.0771, 0.3613,
0.3454

■ 17.4510, 0.2033,
0.2497

■ 54.4563, 0.3748,
0.3492

■ 17.0723, 0.2019,
0.2467

■ 59.1465, 0.3878,
0.3525

■ 61.3022, 0.3879,
0.3566

Harmonies

Analogous

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



29.8928, 0.2798, 0.3296



29.8928, 0.2729, 0.3110



29.8928, 0.2762, 0.2982

Triad

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



29.8928, 0.2729, 0.3110



29.8928, 0.3297, 0.3103



29.8928, 0.3360, 0.3660

Complementary

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



29.8928, 0.2729, 0.3110



25.8804, 0.3642, 0.3463

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.



29.8928, 0.3503, 0.3592



29.8928, 0.2729, 0.3110



29.8928, 0.3466, 0.3271

Square

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



29.8928, 0.2729, 0.3110



29.8928, 0.3085, 0.2984



29.8928, 0.3543, 0.3448



29.8928, 0.3159, 0.3624

Rectangle

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



29.8928, 0.2729, 0.3110



29.8928, 0.2838, 0.2943



29.8928, 0.3543, 0.3448



29.8928, 0.3417, 0.3648

Sweetspot

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



29.8940, 0.2729, 0.3110



62.7955, 0.3004, 0.3240



32.6467, 0.3003, 0.3844



13.5574, 0.2982, 0.3230



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.



29.8940, 0.2729, 0.3110



50.9048, 0.2645, 0.3065



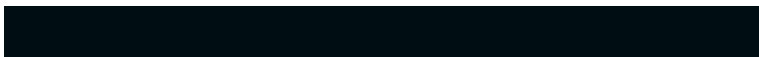
23.2786, 0.2694, 0.2736



7.7099, 0.2987, 0.3233



12.9936, 0.2021, 0.2476



0.3410, 0.2112, 0.2804

Inverse Universe

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



24.0029, 0.3281, 0.2794



38.8121, 0.3324, 0.2682



32.4959, 0.3559, 0.3789



7.1718, 0.3174, 0.3123



7.1558, 0.3946, 0.1948



0.1572, 0.3631, 0.1774

Previews

White Background



This preview shows how the Yxy color 29.8928, 0.2729, 0.3110 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 29.8928, 0.2729, 0.3110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

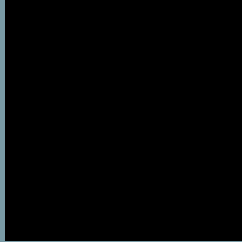
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8928, 0.2729, 0.3110

Background



This preview shows how black text looks on a background with the Yxy color 29.8928, 0.2729, 0.3110.



This preview shows how white text looks on a background with the Yxy color 29.8928, 0.2729, 0.3110.

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

29.8928, 0.2729, 0.3110

Protanopia

29.6437, 0.2996, 0.3073

Deuteranopia

29.6066, 0.3011, 0.2944



Tritanopia

29.9293, 0.2722, 0.3094

Trichromacy



Original Color

29.8928, 0.2729, 0.3110

Protanomaly

29.8246, 0.2901, 0.3100

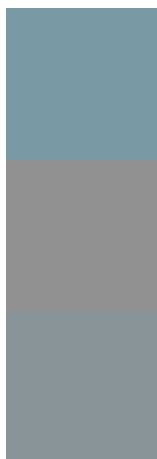
Deuteranomaly

29.6838, 0.2903, 0.3010

Tritanomaly

29.9293, 0.2722, 0.3094

Monochromacy



Original Color

29.8928, 0.2729, 0.3110

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

28.6810, 0.2969, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8928, 0.2729, 0.3110 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(121, 154, 165)` looks like.

```
.text, #text, p{  
    color:rgb(121, 154, 165)  
}
```

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(121, 154, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 154, 165) }
```

Border

The CSS property to change the border of an element to Yxy 29.8928, 0.2729, 0.3110 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(121, 154, 165) }
```

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

```
.border{ border-color:rgb(121, 154, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 154, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 154, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 154, 165);  
box-shadow:4px 4px 4px 4px rgb(121, 154,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8928, 0.2729, 0.3110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 154, 165) }
```

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

```
.background{ background-color: rgb(121,  
154, 165) }
```

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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