

Converting Colors

$Yxy(27.9486, 0.2404, 0.2902)$

Have a look what the booklet for
Yxy(27.9486, 0.2404, 0.2902)
contains.

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Color

$\text{Yxy}(27.9433, 0.2404, 0.2900)$

Conversions

Conversions Part 1

Format	Color
Hex	5799B0
RGB	87, 153, 176
RGB Percent	34%, 60%, 69%
CMY	0.6585, 0.4000, 0.3098
CMYK	0.51, 0.13, 0.00, 0.31
HSL	196°, 36%, 52%
HSV	196°, 51%, 69%
XYZ	23.1640, 27.9433, 45.2489
YIQ	135.8880, -46.7190, -6.8390

Conversions

Conversions Part 2

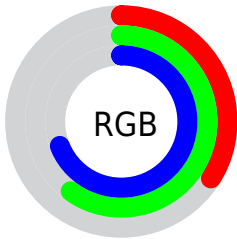
Format	Color
RYB	87, 125, 176
Decimal	5740976
CIELab	59.84, -14.57, -18.50
CIELCh	60, 23.544, 231.772
Yxy	27.9433, 0.2404, 0.2900
Android (android.graphics.Color)	4283931056 (0xFF5799B0)
YUV	135.8880, 19.7752, -42.8748
Hunter-Lab	52.8614, -14.2883, -13.7487

Details

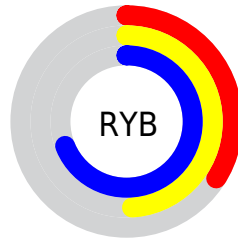
The Yxy color **27.9433, 0.2404, 0.2900** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.0933, 0.4341, 0.3631**, and the grayscale version is **24.5218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2026, 0.2543, 0.2975**, and **11.1658, 0.2174, 0.2765** is the 20% darker color. If you saturate the color by 10%, you get **25.7343, 0.2289, 0.2808**, and if you desaturate by 10%, it is **30.4180, 0.2532, 0.2989**.

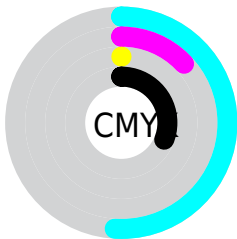
Distribution



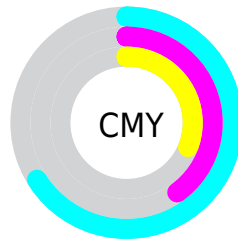
- Red (34%)
- Green (60%)
- Blue (69%)



- Red (34%)
- Yellow (49%)
- Blue (69%)



- Cyan (51%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (66%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9433, 0.2404, 0.2900 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 27.9433, 0.2404, 0.2900 by changing the saturation by 10% instead.


 27.9433, 0.2404,
0.2900


 27.9433, 0.2404,
0.2900


292.1959, 0.2786,
0.3118


 18.2829, 0.2303,
0.2838


 56.3939, 0.2547,
0.2985

 11.1533, 0.2169,
0.2753


 75.9529, 0.2600,
0.3015

 6.1700, 0.1987,
0.2631

 99.5803, 0.2643,
0.3040

 2.9488, 0.1725,
0.2442

 127.6604, 0.2681,
0.3060

 1.1050, 0.1308,
0.2127

160.5776, 0.2712,
0.3078

 0.0000, 0.0000,
0.0000

198.7163, 0.2740,

0.3093

242.4609, 0.2764,
0.3106

■ 27.9433, 0.2404,
0.2900

■ 27.9433, 0.2404,
0.2900

■ 25.7343, 0.2289,
0.2808

■ 30.4180, 0.2532,
0.2989

■ 23.7718, 0.2191,
0.2713

■ 33.1694, 0.2671,
0.3072

■ 22.0390, 0.2112,
0.2617

■ 36.2119, 0.2817,
0.3150

■ 20.5146, 0.2052,
0.2521

■ 39.5577, 0.2968,
0.3222

■ 19.2203, 0.2009,
0.2431

■ 43.2181, 0.3119,
0.3287

■ 47.2039, 0.3270,
0.3346

■ 51.5254, 0.3417,
0.3398

■ 56.1922, 0.3561,
0.3444

■ 61.2136, 0.3698,
0.3485

Harmonies

Analogous

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



27.9433, 0.2496, 0.3232



27.9433, 0.2404, 0.2900



27.9433, 0.2489, 0.2701

Triad

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



27.9433, 0.2404, 0.2900



27.9433, 0.3495, 0.2991



27.9433, 0.3498, 0.3992

Complementary

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



27.9433, 0.2404, 0.2900



21.0933, 0.4341, 0.3631

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.



27.9433, 0.3793, 0.3869



27.9433, 0.2404, 0.2900



27.9433, 0.3798, 0.3290

Square

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



27.9433, 0.2404, 0.2900



27.9433, 0.3100, 0.2766



27.9433, 0.3908, 0.3607



27.9433, 0.3115, 0.3903

Rectangle

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



27.9433, 0.2404, 0.2900



27.9433, 0.2637, 0.2656



27.9433, 0.3908, 0.3607



27.9433, 0.3611, 0.3972

Sweetspot

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



27.9444, 0.2404, 0.2900



68.7940, 0.2896, 0.3188



34.1937, 0.2910, 0.4474



14.6405, 0.2865, 0.3174



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



27.9444, 0.2404, 0.2900



46.0920, 0.2273, 0.2793



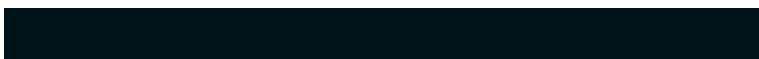
16.1695, 0.2252, 0.2107



9.2518, 0.2986, 0.3230



14.1998, 0.2012, 0.2441



0.5347, 0.2085, 0.2705

Inverse Universe

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



18.3603, 0.3485, 0.2364



27.8317, 0.3598, 0.2189



32.9570, 0.4001, 0.4233



8.6084, 0.3176, 0.3123



7.9736, 0.3981, 0.1967



0.2598, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 27.9433, 0.2404, 0.2900 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 27.9433, 0.2404, 0.2900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

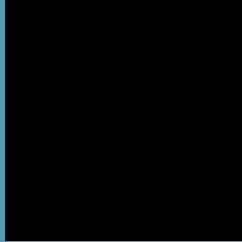
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9433, 0.2404, 0.2900

Background



This preview shows how black text looks on a background with the Yxy color 27.9433, 0.2404, 0.2900.



This preview shows how white text looks on a background with the Yxy color 27.9433, 0.2404, 0.2900.

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

27.9433, 0.2404, 0.2900

Protanopia

27.6138, 0.2835, 0.2866

Deuteranopia

27.7934, 0.2759, 0.2708



Tritanopia

28.1175, 0.2449, 0.3080

Trichromacy



Original Color

27.9433, 0.2404, 0.2900

Protanomaly

27.4583, 0.2645, 0.2867

Deuteranomaly

27.4582, 0.2606, 0.2762

Tritanomaly

27.9448, 0.2432, 0.3013

Monochromacy



Original Color

27.9433, 0.2404, 0.2900

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.4319, 0.2801, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9433, 0.2404, 0.2900 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(87, 153, 176)` looks like.

```
.text, #text, p{  
  color:rgb(87, 153, 176)  
}
```

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(87, 153, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 153, 176) }
```

Border

The CSS property to change the border of an element to Yxy 27.9433, 0.2404, 0.2900 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(87, 153, 176) }
```

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

```
.border{ border-color:rgb(87, 153, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 153, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 153, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 153, 176);  
box-shadow:4px 4px 4px 4px rgb(87, 153,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9433, 0.2404, 0.2900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 153, 176) }
```

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

```
.background{ background-color: rgb(87, 153,  
176) }
```

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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