

Converting Colors

$Y_{xy}(30.0920, 0.2598, 0.2704)$

Have a look what the booklet for
Yxy(30.0920, 0.2598, 0.2704)
contains.

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Color

Yxy(29.9988, 0.2593, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	7F96BD
RGB	127, 150, 189
RGB Percent	50%, 59%, 74%
CMY	0.5017, 0.4118, 0.2588
CMYK	0.33, 0.21, 0.00, 0.26
HSL	218°, 32%, 62%
HSV	218°, 33%, 74%
XYZ	28.8527, 29.9988, 52.4200
YIQ	147.5690, -26.2270, 7.2530

Conversions

Conversions Part 2

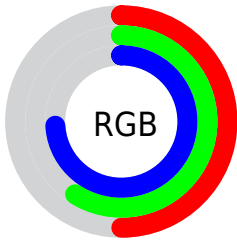
Format	Color
R _Y B	127, 144, 189
Decimal	8361661
CIE Lab	61.65, 1.32, -22.87
CIE LCh	62, 22.904, 273.314
Yxy	29.9988, 0.2593, 0.2696
Android (android.graphics.Color)	4286551741 (0xFF7F96BD)
YUV	147.5690, 20.4255, -18.0390
Hunter-Lab	54.7712, -1.8182, -18.4051

Details

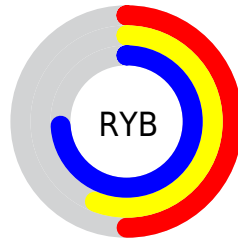
The Yxy color **29.9988, 0.2593, 0.2696** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.6634, 0.3704, 0.3818**, and the grayscale version is **29.3530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6021, 0.2700, 0.2817**, and **12.2378, 0.2418, 0.2490** is the 20% darker color. If you saturate the color by 10%, you get **25.0720, 0.2419, 0.2476**, and if you desaturate by 10%, it is **35.5865, 0.2765, 0.2899**.

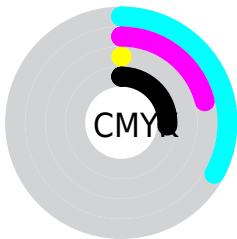
Distribution



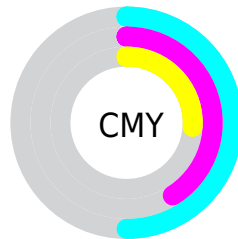
- Red (50%)
- Green (59%)
- Blue (74%)



- Red (50%)
- Yellow (56%)
- Blue (74%)



- Cyan (33%)
- Magenta (21%)
- Yellow (0%)
- Black (26%)



- Cyan (50%)
- Magenta (41%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9988, 0.2593, 0.2696 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 29.9988, 0.2593, 0.2696 by changing the saturation by 10% instead.

■ 29.9988, 0.2593,
0.2696

■ 29.9988, 0.2593,
0.2696

■ 301.8989, 0.2875,
0.3009

■ 19.8377, 0.2518,
0.2613

■ 59.6603, 0.2699,
0.2813

■ 12.2771, 0.2419,
0.2505

■ 79.9294, 0.2738,
0.2856

■ 6.9327, 0.2284,
0.2357

■ 104.3367, 0.2770,
0.2892

■ 3.4200, 0.2087,
0.2143

■ 133.2665, 0.2798,
0.2922

■ 1.3548, 0.1783,
0.1815

■ 167.1032, 0.2821,
0.2948

■ 0.1830, 0.0842,
0.0747

■ 206.2313, 0.2842,

■ 0.0000, 0.0000,

0.2971

0.0000

251.0350, 0.2859,
0.2991

■ 29.9988, 0.2593,
0.2696

■ 29.9988, 0.2593,
0.2696

■ 25.0720, 0.2419,
0.2476

■ 35.5865, 0.2765,
0.2899

■ 20.7759, 0.2246,
0.2242

■ 41.8568, 0.2930,
0.3083

■ 17.0830, 0.2083,
0.2001

■ 48.8343, 0.3086,
0.3248

■ 13.9617, 0.1936,
0.1759

■ 56.5416, 0.3231,
0.3394

■ 11.3771, 0.1811,
0.1527

■ 65.0001, 0.3366,
0.3522

■ 9.2894, 0.1714,
0.1314

■ 74.2302, 0.3489,
0.3635

■ 8.0446, 0.1660,
0.1174

■ 83.4113, 0.3570,
0.3738

■ 90.3971, 0.3542,
0.3850

■ 96.4546, 0.3520,
0.3939

Harmonies

Analogous

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



29.9988, 0.2449, 0.2830



29.9988, 0.2593, 0.2696



29.9988, 0.2879, 0.2712

Triad

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



29.9988, 0.2593, 0.2696



29.9988, 0.3829, 0.3410



29.9988, 0.2976, 0.3783

Complementary

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



29.9988, 0.2593, 0.2696



39.6634, 0.3704, 0.3818

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.



29.9988, 0.3345, 0.3948



29.9988, 0.2593, 0.2696



29.9988, 0.3851, 0.3700

Square

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



29.9988, 0.2593, 0.2696



29.9988, 0.3604, 0.3110



29.9988, 0.3669, 0.3906



29.9988, 0.2660, 0.3460

Rectangle

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



29.9988, 0.2593, 0.2696



29.9988, 0.3122, 0.2798



29.9988, 0.3669, 0.3906



29.9988, 0.3098, 0.3860

Sweetspot

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



30.0000, 0.2593, 0.2696



78.0926, 0.2971, 0.3128



43.6443, 0.2820, 0.3643



16.4279, 0.2949, 0.3104



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.0000, 0.2593, 0.2696



47.5499, 0.2473, 0.2547



23.9651, 0.2614, 0.2349



9.7879, 0.2984, 0.3141



5.5471, 0.1666, 0.1198



0.3436, 0.1805, 0.1697

Inverse Universe

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



28.2193, 0.3596, 0.2976



44.4631, 0.3736, 0.2909



47.8535, 0.3549, 0.4115



9.5932, 0.3232, 0.3205



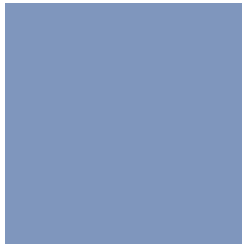
7.5897, 0.5470, 0.2787



0.3100, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 29.9988, 0.2593, 0.2696 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 29.9988, 0.2593, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

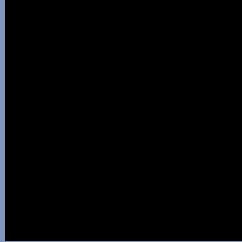
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

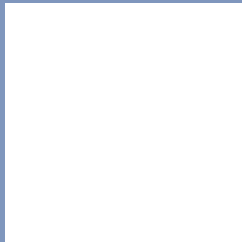
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9988, 0.2593, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 29.9988, 0.2593, 0.2696.

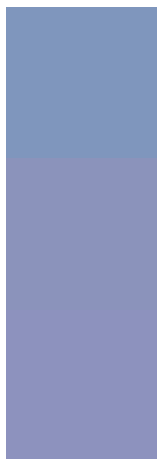


This preview shows how white text looks on a background with the Yxy color 29.9988, 0.2593, 0.2696.

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

29.9988, 0.2593, 0.2696

Protanopia

29.9443, 0.2702, 0.2693

Deuteranopia

29.9382, 0.2695, 0.2641



Tritanopia

30.0020, 0.2730, 0.3095

Trichromacy



Original Color

29.9988, 0.2593, 0.2696

Protanomaly

29.9615, 0.2662, 0.2689

Deuteranomaly

29.8194, 0.2654, 0.2648

Tritanomaly

30.1235, 0.2684, 0.2957

Monochromacy



Original Color

29.9988, 0.2593, 0.2696

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.7147, 0.2911, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9988, 0.2593, 0.2696 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(127, 150, 189)` looks like.

```
.text, #text, p{  
    color:rgb(127, 150, 189)  
}
```

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(127, 150, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 150, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.9988, 0.2593, 0.2696 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(127, 150, 189) }
```

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

```
.border{ border-color:rgb(127, 150, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 150, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 150, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 150, 189); box-shadow:4px 4px 4px 4px rgb(127, 150, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9988, 0.2593, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 150, 189) }
```

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

```
.background{ background-color: rgb(127,  
150, 189) }
```

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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