

Converting Colors

$Y_{xy}(29.9997, 0.2600, 0.2863)$

Have a look what the booklet for
Yxy(29.9997, 0.2600, 0.2863)
contains.

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Color

Yxy(29.9997, 0.2600, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	7799B4
RGB	119, 153, 180
RGB Percent	47%, 60%, 71%
CMY	0.5331, 0.4000, 0.2941
CMYK	0.34, 0.15, 0.00, 0.29
HSL	207°, 29%, 59%
HSV	207°, 34%, 71%
XYZ	27.2439, 29.9997, 47.5406
YIQ	145.9120, -28.9310, 1.1890

Conversions

Conversions Part 2

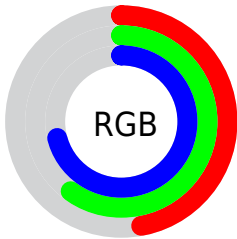
Format	Color
RYB	119, 141, 180
Decimal	7838132
CIELab	61.65, -5.04, -17.84
CIElCh	62, 18.541, 254.211
Yxy	29.9997, 0.2600, 0.2863
Android (android.graphics.Color)	4286028212 (0xFF7799B4)
YUV	145.9120, 16.8054, -23.6018
Hunter-Lab	54.7720, -7.0641, -13.1217

Details

The Yxy color **29.9997, 0.2600, 0.2863** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **31.6212, 0.3776, 0.3680**, and the grayscale version is **28.6505, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5660, 0.2704, 0.2946**, and **12.2640, 0.2432, 0.2719** is the 20% darker color. If you saturate the color by 10%, you get **26.3193, 0.2446, 0.2711**, and if you desaturate by 10%, it is **34.0985, 0.2758, 0.3004**.

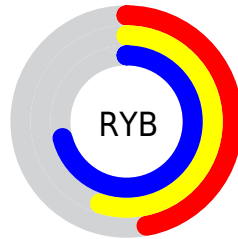
Distribution



Red (47%)

Green (60%)

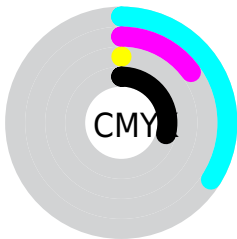
Blue (71%)



Red (47%)

Yellow (55%)

Blue (71%)

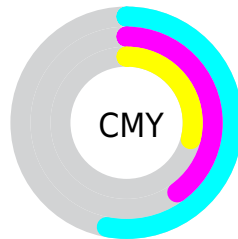


Cyan (34%)

Magenta (15%)

Yellow (0%)

Black (29%)



Cyan (53%)

Magenta (40%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9997, 0.2600, 0.2863 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 29.9997, 0.2600, 0.2863 by changing the saturation by 10% instead.

■ 29.9997, 0.2600,
0.2863

■ 29.9997, 0.2600,
0.2863

■ 301.9031, 0.2878,
0.3092

■ 19.8384, 0.2526,
0.2801

■ 59.6617, 0.2704,
0.2950

■ 12.2776, 0.2428,
0.2717

■ 79.9312, 0.2743,
0.2982

■ 6.9330, 0.2294,
0.2600

■ 104.3388, 0.2774,
0.3008

■ 3.4203, 0.2098,
0.2427

■ 133.2689, 0.2802,
0.3030

■ 1.3549, 0.1791,
0.2146

■ 167.1061, 0.2825,
0.3049

■ 0.1831, 0.0288,
0.1037

■ 206.2345, 0.2845,

■ 0.0000, 0.0000,

0.3065

0.0000

251.0387, 0.2862,
0.3080

■ 29.9997, 0.2600,
0.2863

■ 29.9997, 0.2600,
0.2863

■ 26.3193, 0.2446,
0.2711

■ 34.0985, 0.2758,
0.3004

■ 23.0366, 0.2298,
0.2550

■ 38.6280, 0.2915,
0.3132

■ 20.1345, 0.2163,
0.2382

■ 43.6043, 0.3069,
0.3248

■ 17.5924, 0.2043,
0.2211

■ 49.0415, 0.3218,
0.3352

■ 15.3872, 0.1944,
0.2040

■ 54.9531, 0.3360,
0.3445

■ 13.4919, 0.1866,
0.1873

■ 61.3517, 0.3495,
0.3527

■ 12.4496, 0.1826,
0.1774

■ 68.2497, 0.3621,
0.3598

■ 74.0962, 0.3677,
0.3670

■ 78.3063, 0.3654,
0.3748

Harmonies

Analogous

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



29.9997, 0.2568, 0.3051



29.9997, 0.2600, 0.2863



29.9997, 0.2766, 0.2794

Triad

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



29.9997, 0.2600, 0.2863



29.9997, 0.3595, 0.3233



29.9997, 0.3199, 0.3788

Complementary

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



29.9997, 0.2600, 0.2863



31.6212, 0.3776, 0.3680

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.



29.9997, 0.3483, 0.3819



29.9997, 0.2600, 0.2863



29.9997, 0.3721, 0.3483

Square

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



29.9997, 0.2600, 0.2863



29.9997, 0.3338, 0.3005



29.9997, 0.3678, 0.3700



29.9997, 0.2904, 0.3601

Rectangle

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



29.9997, 0.2600, 0.2863



29.9997, 0.2936, 0.2817



29.9997, 0.3678, 0.3700



29.9997, 0.3299, 0.3816

Sweetspot

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



30.0009, 0.2600, 0.2863



73.2631, 0.2972, 0.3177



38.6325, 0.2891, 0.3839



15.5701, 0.2951, 0.3160



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.0009, 0.2600, 0.2863



49.0941, 0.2478, 0.2745



21.4183, 0.2537, 0.2367



8.9884, 0.2985, 0.3187



8.8236, 0.1832, 0.1793



0.3917, 0.1959, 0.2254

Inverse Universe

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



25.2121, 0.3474, 0.2809



39.6940, 0.3586, 0.2697



42.0686, 0.3645, 0.4071



8.5818, 0.3203, 0.3164



7.4309, 0.4693, 0.2359



0.2453, 0.4175, 0.2074

Previews

White Background



This preview shows how the Yxy color 29.9997, 0.2600, 0.2863 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 29.9997, 0.2600, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

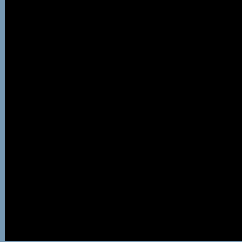
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

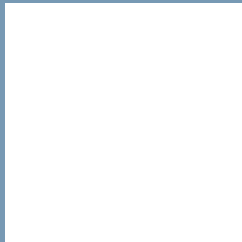
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.9997, 0.2600, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 29.9997, 0.2600, 0.2863.



This preview shows how white text looks on a background with the Yxy color 29.9997, 0.2600, 0.2863.

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

29.9997, 0.2600, 0.2863

Protanopia

29.8417, 0.2827, 0.2850

Deuteranopia

29.7392, 0.2803, 0.2740



Tritanopia

29.9828, 0.2668, 0.3077

Trichromacy



Original Color

29.9997, 0.2600, 0.2863

Protanomaly

29.7375, 0.2740, 0.2857

Deuteranomaly

29.7502, 0.2724, 0.2787

Tritanomaly

29.8717, 0.2644, 0.2999

Monochromacy



Original Color

29.9997, 0.2600, 0.2863

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.1978, 0.2916, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9997, 0.2600, 0.2863 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(119, 153, 180)` looks like.

```
.text, #text, p{  
    color:rgb(119, 153, 180)  
}
```

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(119, 153, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 153, 180) }
```

Border

The CSS property to change the border of an element to Yxy 29.9997, 0.2600, 0.2863 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(119, 153, 180) }
```

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

```
.border{ border-color:rgb(119, 153, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 153, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 153, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 153, 180); box-shadow:4px 4px 4px 4px rgb(119, 153, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9997, 0.2600, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 153, 180) }
```

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

```
.background{ background-color: rgb(119,  
153, 180) }
```

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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