

Converting Colors

$Y_{xy}(27.1958, 0.2668, 0.2945)$

Have a look what the booklet for
Yxy(27.1958, 0.2668, 0.2945)
contains.

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Color

Yxy(27.1297, 0.2666, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	7592A7
RGB	117, 146, 167
RGB Percent	46%, 57%, 65%
CMY	0.5414, 0.4274, 0.3451
CMYK	0.30, 0.13, 0.00, 0.35
HSL	205°, 22%, 56%
HSV	205°, 30%, 65%
XYZ	24.5846, 27.1297, 40.5009
YIQ	139.7230, -24.0250, 0.3830

Conversions

Conversions Part 2

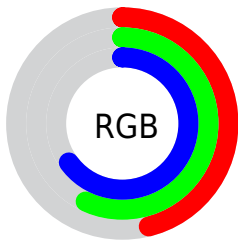
Format	Color
RYB	117, 135, 167
Decimal	7705255
CIELab	59.09, -5.11, -14.36
CIELCh	59, 15.243, 250.425
Yxy	27.1297, 0.2666, 0.2942
Android (android.graphics.Color)	4285895335 (0xFF7592A7)
YUV	139.7230, 13.4476, -19.9281
Hunter-Lab	52.0862, -6.8992, -9.6421

Details

The Yxy color $27.1297, 0.2666, 0.2942$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $27.6567, 0.3687, 0.3613$, and the grayscale version is $26.0632, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.1285, 0.2760, 0.3018$, and $10.7968, 0.2512, 0.2827$ is the 20% darker color. If you saturate the color by 10%, you get $23.9826, 0.2513, 0.2804$, and if you desaturate by 10%, it is $30.6175, 0.2822, 0.3069$.

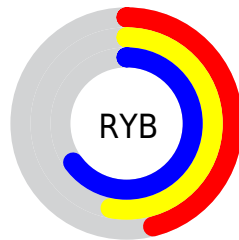
Distribution



Red (46%)

Green (57%)

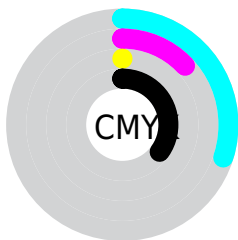
Blue (65%)



Red (46%)

Yellow (53%)

Blue (65%)

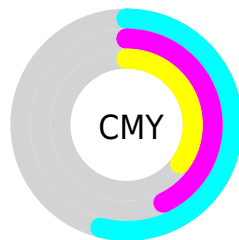


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (43%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.1297, 0.2666, 0.2942 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 27.1297, 0.2666, 0.2942 by changing the saturation by 10% instead.

■ 27.1297, 0.2666,
0.2942

■ 27.1297, 0.2666,
0.2942

■ 288.2846, 0.2914,
0.3133

■ 17.6707, 0.2598,
0.2888

■ 55.0919, 0.2760,
0.3016

■ 10.7138, 0.2507,
0.2816

■ 74.3639, 0.2794,
0.3042

■ 5.8747, 0.2379,
0.2711

■ 97.6756, 0.2823,
0.3064

■ 2.7691, 0.2187,
0.2551

■ 125.4115, 0.2847,
0.3082

■ 1.0124, 0.1870,
0.2275

■ 157.9560, 0.2867,
0.3097

■ 0.0000, 0.0000,
0.0000

195.6934, 0.2885,

0.3111

239.0081, 0.2900,
0.3122

■ 27.1297, 0.2666,
0.2942

■ 27.1297, 0.2666,
0.2942

■ 23.9826, 0.2513,
0.2804

■ 30.6175, 0.2822,
0.3069

■ 21.1597, 0.2366,
0.2656

■ 34.4553, 0.2976,
0.3186

■ 18.6476, 0.2229,
0.2501

■ 38.6559, 0.3128,
0.3290

■ 16.4306, 0.2106,
0.2342

■ 43.2303, 0.3274,
0.3384

■ 14.4909, 0.2002,
0.2181

■ 48.1891, 0.3413,
0.3467

■ 12.8083, 0.1918,
0.2022

■ 53.5424, 0.3546,
0.3540

■ 11.3401, 0.1852,
0.1867

■ 59.3000, 0.3670,
0.3605

■ 11.3364, 0.1852,
0.1866

■ 65.4711, 0.3787,
0.3661

■ 69.6672, 0.3799,
0.3726

Harmonies

Analogous

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



27.1297, 0.2654, 0.3116



27.1297, 0.2666, 0.2942



27.1297, 0.2796, 0.2867

Triad

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



27.1297, 0.2666, 0.2942



27.1297, 0.3501, 0.3216



27.1297, 0.3222, 0.3721

Complementary

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



27.1297, 0.2666, 0.2942



27.6567, 0.3687, 0.3613

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.



27.1297, 0.3458, 0.3733



27.1297, 0.2666, 0.2942



27.1297, 0.3625, 0.3431

Square

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



27.1297, 0.2666, 0.2942



27.1297, 0.3275, 0.3025



27.1297, 0.3608, 0.3621



27.1297, 0.2968, 0.3578

Rectangle

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



27.1297, 0.2666, 0.2942



27.1297, 0.2935, 0.2877



27.1297, 0.3608, 0.3621



27.1297, 0.3306, 0.3740

Sweetspot

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



27.1308, 0.2666, 0.2942



62.2906, 0.2989, 0.3194



33.2459, 0.2923, 0.3778



13.7124, 0.2967, 0.3179



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.1308, 0.2666, 0.2942



44.7569, 0.2563, 0.2851



20.2715, 0.2619, 0.2509



7.9969, 0.2987, 0.3193



8.7729, 0.1856, 0.1881



0.3112, 0.2000, 0.2398

Inverse Universe

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



23.0016, 0.3406, 0.2851



36.5598, 0.3490, 0.2750



35.6334, 0.3586, 0.3966



7.6126, 0.3199, 0.3160



6.9567, 0.4590, 0.2302



0.1791, 0.4025, 0.1991

Previews

White Background



This preview shows how the Yxy color 27.1297, 0.2666, 0.2942 looks on a white background.

Color Contrast Check

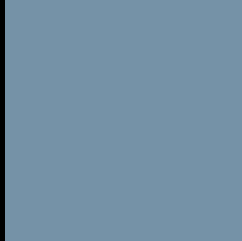
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1297, 0.2666, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

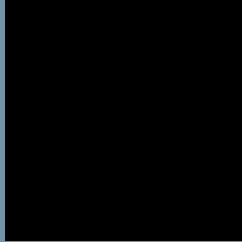
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

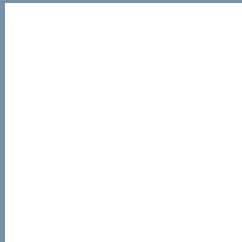
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1297, 0.2666, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 27.1297, 0.2666, 0.2942.



This preview shows how white text looks on a background with the Yxy color 27.1297, 0.2666, 0.2942.

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

27.1297, 0.2666, 0.2942

Protanopia

27.1334, 0.2878, 0.2924

Deuteranopia

27.1695, 0.2881, 0.2824



Tritanopia

27.0155, 0.2714, 0.3086

Trichromacy



Original Color

27.1297, 0.2666, 0.2942

Protanomaly

27.1074, 0.2794, 0.2934

Deuteranomaly

27.2415, 0.2805, 0.2876

Tritanomaly

27.1891, 0.2699, 0.3038

Monochromacy



Original Color

27.1297, 0.2666, 0.2942

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.4535, 0.2947, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1297, 0.2666, 0.2942 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(117, 146, 167)` looks like.

```
.text, #text, p{  
    color:rgb(117, 146, 167)  
}
```

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(117, 146, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 146, 167) }
```

Border

The CSS property to change the border of an element to Yxy 27.1297, 0.2666, 0.2942 is called "border". The border property can be set on classes, ids or directly on the HTML element.

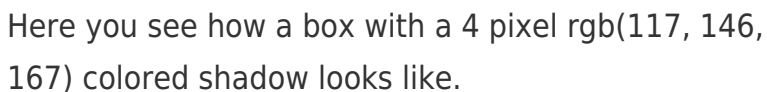
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 146, 167) }
```

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

```
.border{ border-color:rgb(117, 146, 167) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 146, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 146, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 146, 167); box-shadow:4px 4px 4px 4px rgb(117, 146, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1297, 0.2666, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 146, 167) }
```

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

```
.background{ background-color: rgb(117,  
146, 167) }
```

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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