

Converting Colors

$Y_{xy}(29.4676, 0.2587, 0.3187)$

Have a look what the booklet for
Yxy(29.4676, 0.2587, 0.3187)
contains.

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Color

$\text{Yxy}(29.4676, 0.2587, 0.3187)$

Conversions

Conversions Part 1

Format	Color
Hex	649DA3
RGB	100, 157, 163
RGB Percent	39%, 62%, 64%
CMY	0.6080, 0.3843, 0.3608
CMYK	0.39, 0.04, 0.00, 0.36
HSL	186°, 26%, 52%
HSV	186°, 39%, 64%
XYZ	23.9199, 29.4676, 39.0744
YIQ	140.6410, -35.8980, -10.2180

Conversions

Conversions Part 2

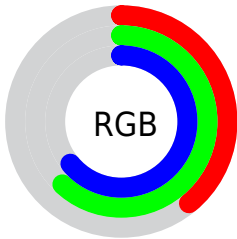
Format	Color
RYB	100, 130, 163
Decimal	6593955
CIELab	61.19, -17.05, -9.04
CIElCh	61, 19.294, 207.927
Yxy	29.4676, 0.2587, 0.3187
Android (android.graphics.Color)	4284784035 (0xFF649DA3)
YUV	140.6410, 11.0230, -35.6422
Hunter-Lab	54.2841, -16.3424, -4.6789

Details

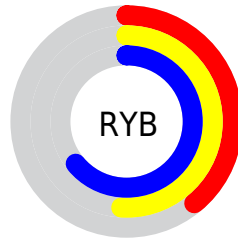
The Yxy color **29.4676, 0.2587, 0.3187** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.0034, 0.4021, 0.3389**, and the grayscale version is **26.4524, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0189, 0.2697, 0.3214**, and **12.0601, 0.2411, 0.3162** is the 20% darker color. If you saturate the color by 10%, you get **28.1104, 0.2474, 0.3156**, and if you desaturate by 10%, it is **31.0197, 0.2713, 0.3216**.

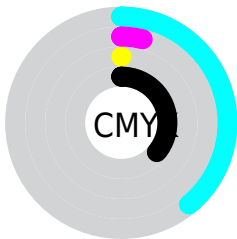
Distribution



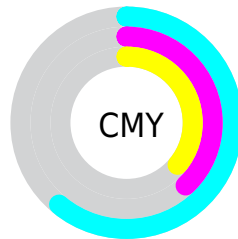
- Red (39%)
- Green (62%)
- Blue (64%)



- Red (39%)
- Yellow (51%)
- Blue (64%)



- Cyan (39%)
- Magenta (4%)
- Yellow (0%)
- Black (36%)



- Cyan (61%)
- Magenta (38%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4676, 0.2587, 0.3187 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 29.4676, 0.2587, 0.3187 by changing the saturation by 10% instead.

■ 29.4676, 0.2587,
0.3187

■ 29.4676, 0.2587,
0.3187

■ 299.4149, 0.2873,
0.3248

■ 19.4348, 0.2510,
0.3168

■ 58.8192, 0.2695,
0.3212

■ 11.9849, 0.2408,
0.3142

■ 78.9068, 0.2734,
0.3220

■ 6.7334, 0.2267,
0.3101

■ 103.1148, 0.2767,
0.3227

■ 3.2959, 0.2058,
0.3035

■ 131.8277, 0.2795,
0.3232

■ 1.2881, 0.1719,
0.2908

■ 165.4297, 0.2818,
0.3237

■ 0.1320, 0.0000,
0.1454

■ 204.3053, 0.2839,

■ 0.0000, 0.0000,

0.3241

0.0000

248.8389, 0.2857,
0.3245

■ 29.4676, 0.2587,
0.3187

■ 29.4676, 0.2587,
0.3187

■ 28.1104, 0.2474,
0.3156

■ 31.0197, 0.2713,
0.3216

■ 26.9334, 0.2377,
0.3125

■ 32.7734, 0.2851,
0.3244

■ 25.9253, 0.2298,
0.3093

■ 34.7395, 0.2997,
0.3269

■ 25.0723, 0.2238,
0.3060

■ 36.9268, 0.3147,
0.3293

■ 24.3581, 0.2195,
0.3028

■ 39.3436, 0.3301,
0.3314

■ 23.7512, 0.2168,
0.2997

■ 41.9979, 0.3455,
0.3334

■ 23.6728, 0.2165,
0.2992

■ 44.8973, 0.3607,
0.3351

■ 48.0489, 0.3756,
0.3366

■ 51.4597, 0.3900,
0.3379

Harmonies

Analogous

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



29.4676, 0.2772, 0.3489



29.4676, 0.2587, 0.3187



29.4676, 0.2540, 0.2935

Triad

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



29.4676, 0.2587, 0.3187



29.4676, 0.3174, 0.2892



29.4676, 0.3627, 0.3792

Complementary

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



29.4676, 0.2587, 0.3187



19.0034, 0.4021, 0.3389

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.



29.4676, 0.3750, 0.3603



29.4676, 0.2587, 0.3187



29.4676, 0.3483, 0.3095

Square

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



29.4676, 0.2587, 0.3187



29.4676, 0.2867, 0.2783



29.4676, 0.3698, 0.3349



29.4676, 0.3370, 0.3851

Rectangle

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



29.4676, 0.2587, 0.3187



29.4676, 0.2591, 0.2827



29.4676, 0.3698, 0.3349



29.4676, 0.3686, 0.3740

Sweetspot

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



29.4688, 0.2587, 0.3187



60.9245, 0.2944, 0.3261



29.9243, 0.3033, 0.4341



13.5859, 0.2926, 0.3257



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.



29.4688, 0.2587, 0.3187



50.7642, 0.2494, 0.3162



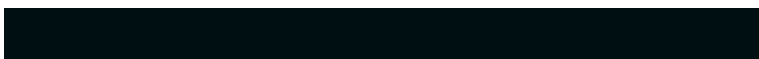
20.3316, 0.2506, 0.2632



7.8957, 0.2988, 0.3268



18.4354, 0.2165, 0.2995



0.4184, 0.2197, 0.3111

Inverse Universe

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



19.3285, 0.3244, 0.2436



30.3290, 0.3274, 0.2267



26.5208, 0.3835, 0.3865



7.1905, 0.3151, 0.3089



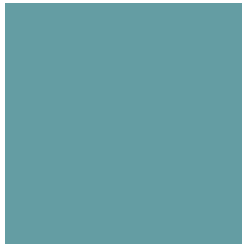
7.7052, 0.3458, 0.1679



0.1650, 0.3358, 0.1623

Previews

White Background



This preview shows how the Yxy color 29.4676, 0.2587, 0.3187 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 29.4676, 0.2587, 0.3187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

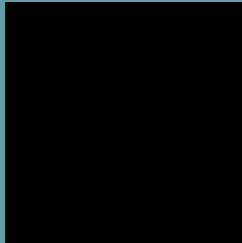
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4676, 0.2587, 0.3187

Background



This preview shows how black text looks on a background with the Yxy color 29.4676, 0.2587, 0.3187.

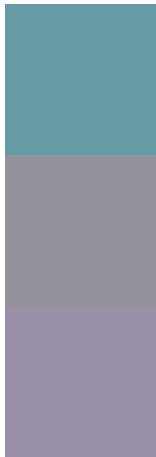


This preview shows how white text looks on a background with the Yxy color 29.4676, 0.2587, 0.3187.

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

29.4676, 0.2587, 0.3187

Protanopia

29.1611, 0.3042, 0.3134

Deuteranopia

29.1704, 0.3010, 0.2942



Tritanopia

29.4082, 0.2550, 0.3071

Trichromacy



Original Color

29.4676, 0.2587, 0.3187

Protanomaly

29.0617, 0.2852, 0.3143

Deuteranomaly

28.9648, 0.2837, 0.3019

Tritanomaly

29.3337, 0.2564, 0.3104

Monochromacy



Original Color

29.4676, 0.2587, 0.3187

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.4730, 0.2899, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4676, 0.2587, 0.3187 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(100, 157, 163)` looks like.

```
.text, #text, p{  
    color:rgb(100, 157, 163)  
}
```

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(100, 157, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 157, 163) }
```

Border

The CSS property to change the border of an element to Yxy 29.4676, 0.2587, 0.3187 is called "border". The border property can be set on classes, ids or directly on the HTML element.

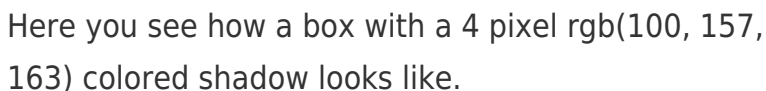
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(100, 157, 163) }
```

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

```
.border{ border-color:rgb(100, 157, 163) }
```

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



Here you see how a box with a 4 pixel `rgb(100, 157, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 157, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 157, 163);  
box-shadow:4px 4px 4px 4px rgb(100, 157,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4676, 0.2587, 0.3187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 157, 163) }
```

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

```
.background{ background-color: rgb(100,  
157, 163) }
```

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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