

Converting Colors

$Y_{xy}(29.4409, 0.2665, 0.3386)$

Have a look what the booklet for
Yxy(29.4409, 0.2665, 0.3386)
contains.

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Color

$Y_{xy}(29.4300, 0.2669, 0.3393)$

Conversions

Conversions Part 1

Format	Color
Hex	649E98
RGB	100, 158, 152
RGB Percent	39%, 62%, 60%
CMY	0.6078, 0.3804, 0.4040
CMYK	0.37, 0.00, 0.04, 0.38
HSL	174°, 23%, 51%
HSV	174°, 37%, 62%
XYZ	23.1502, 29.4300, 34.1572
YIQ	139.9740, -32.6420, -14.1620

Conversions

Conversions Part 2

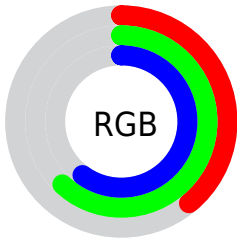
Format	Color
RYB	100, 131, 158
Decimal	6594200
CIELab	61.16, -20.33, -2.86
CIELCh	61, 20.529, 188.014
Yxy	29.4300, 0.2669, 0.3393
Android (android.graphics.Color)	4284784280 (0xFF649E98)
YUV	139.9740, 5.9288, -35.0572
Hunter-Lab	54.2494, -18.7640, 0.6437

Details

The Yxy color **29.4300, 0.2669, 0.3393** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4296, 0.3896, 0.3193**, and the grayscale version is **26.2028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8170, 0.2761, 0.3378**, and **11.8760, 0.2510, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **28.5623, 0.2571, 0.3426**, and if you desaturate by 10%, it is **30.4756, 0.2781, 0.3362**.

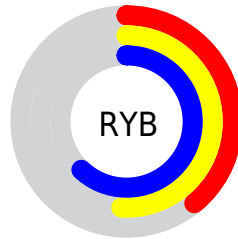
Distribution



Red (39%)

Green (62%)

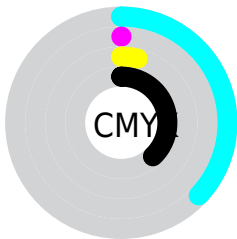
Blue (60%)



Red (39%)

Yellow (51%)

Blue (62%)

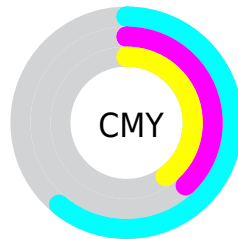


Cyan (37%)

Magenta (0%)

Yellow (4%)

Black (38%)



Cyan (61%)

Magenta (38%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4300, 0.2669, 0.3393 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 29.4300, 0.2669, 0.3393 by changing the saturation by 10% instead.


 29.4300, 0.2669,
0.3393


 29.4300, 0.2669,
0.3393


299.2384, 0.2914,
0.3340

 19.4063, 0.2602,
0.3407


 58.7596, 0.2762,
0.3374


 11.9643, 0.2513,
0.3424


 78.8343, 0.2795,
0.3366

 6.7193, 0.2389,
0.3447


 103.0282, 0.2823,
0.3360

 3.2872, 0.2201,
0.3480

 131.7256, 0.2847,
0.3355

 1.2835, 0.1867,
0.3535

165.3109, 0.2867,
0.3351

 0.1283, 0.0000,
0.2741

204.1686, 0.2885,

 0.0000, 0.0000,

0.3347

0.0000

248.6829, 0.2900,
0.3343

■ 29.4300, 0.2669,
0.3393

■ 29.4300, 0.2669,
0.3393

■ 28.5623, 0.2571,
0.3426

■ 30.4756, 0.2781,
0.3362

■ 27.8587, 0.2489,
0.3459

■ 31.7048, 0.2904,
0.3333

■ 27.3093, 0.2424,
0.3494

■ 33.1275, 0.3036,
0.3307


■ 26.9014, 0.2378,
0.3529


■ 34.7517, 0.3173,
0.3282

■ 26.6206, 0.2350,
0.3564


■ 36.5853, 0.3314,
0.3260


 26.4449, 0.2339,
0.3599

 38.6353, 0.3455,
0.3241

 26.3950, 0.2336,
0.3611

 40.9087, 0.3596,
0.3224

 43.4121, 0.3734,
0.3209

 46.1519, 0.3869,
0.3196

Harmonies

Analogous

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



29.4300, 0.2942, 0.3694



29.4300, 0.2669, 0.3393



29.4300, 0.2520, 0.3079

Triad

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



29.4300, 0.2669, 0.3393



29.4300, 0.2954, 0.2778



29.4300, 0.3766, 0.3700

Complementary

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



29.4300, 0.2669, 0.3393



17.4296, 0.3896, 0.3193

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.



29.4300, 0.3775, 0.3445



29.4300, 0.2669, 0.3393



29.4300, 0.3292, 0.2931

Square

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



29.4300, 0.2669, 0.3393



29.4300, 0.2677, 0.2745



29.4300, 0.3599, 0.3169



29.4300, 0.3578, 0.3864

Rectangle

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



29.4300, 0.2669, 0.3393



29.4300, 0.2504, 0.2911



29.4300, 0.3599, 0.3169



29.4300, 0.3791, 0.3621

Sweetspot

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



29.4312, 0.2669, 0.3393



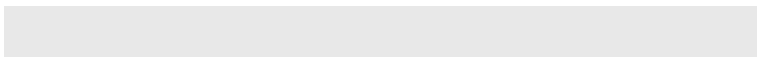
58.9460, 0.2975, 0.3318



28.4874, 0.3138, 0.4347



13.2158, 0.2959, 0.3322



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



29.4312, 0.2669, 0.3393



52.1345, 0.2588, 0.3420



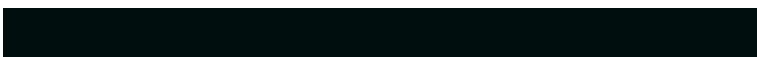
22.7247, 0.2570, 0.2891



7.4976, 0.3001, 0.3313



21.1426, 0.2336, 0.3608



0.3811, 0.2297, 0.3468

Inverse Universe

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



17.4296, 0.3896, 0.3193



27.0984, 0.4159, 0.3173



22.1699, 0.3856, 0.3654



6.6568, 0.3268, 0.3267



5.8558, 0.6248, 0.3216



0.1076, 0.5639, 0.2880

Previews

White Background



This preview shows how the Yxy color 29.4300, 0.2669, 0.3393 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 29.4300, 0.2669, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

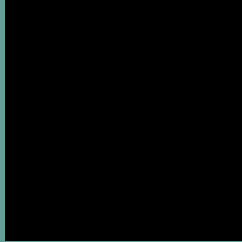
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4300, 0.2669, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 29.4300, 0.2669, 0.3393.

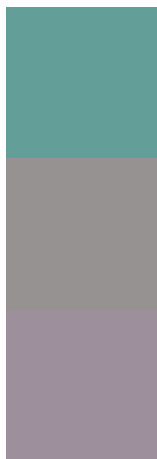


This preview shows how white text looks on a background with the Yxy color 29.4300, 0.2669, 0.3393.

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

29.4300, 0.2669, 0.3393

Protanopia

29.0861, 0.3179, 0.3306

Deuteranopia

29.1796, 0.3157, 0.3107



Tritanopia

29.5471, 0.2578, 0.3089

Trichromacy



Original Color

29.4300, 0.2669, 0.3393

Protanomaly

28.8563, 0.2967, 0.3322

Deuteranomaly

28.7471, 0.2951, 0.3193

Tritanomaly

29.6061, 0.2616, 0.3204

Monochromacy



Original Color

29.4300, 0.2669, 0.3393

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.2410, 0.2934, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4300, 0.2669, 0.3393 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, 158, 152)` looks like.

```
.text, #text, p{  
    color:rgb(100, 158, 152)  
}
```

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, 158, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 158, 152) }
```

Border

The CSS property to change the border of an element to Yxy 29.4300, 0.2669, 0.3393 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, 158, 152) }
```

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

```
.border{ border-color:rgb(100, 158, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 158, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 158, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 158, 152);  
box-shadow:4px 4px 4px 4px rgb(100, 158,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4300, 0.2669, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 158, 152) }
```

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

```
.background{ background-color: rgb(100,  
158, 152) }
```

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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