

Converting Colors

$Y_{xy}(29.3600, 0.2156, 0.2696)$

Have a look what the booklet for
Yxy(29.3600, 0.2156, 0.2696)
contains.

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Color

Yxy(29.3648, 0.2155, 0.2697)

Conversions

Conversions Part 1

Format	Color
Hex	309FC3
RGB	48, 159, 195
RGB Percent	19%, 62%, 76%
CMY	0.8120, 0.3764, 0.2354
CMYK	0.75, 0.18, 0.00, 0.24
HSL	195°, 61%, 48%
HSV	195°, 75%, 76%
XYZ	23.4635, 29.3648, 56.0512
YIQ	129.9150, -77.7120, -12.3360

Conversions

Conversions Part 2

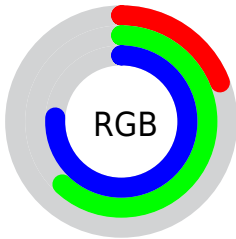
Format	Color
R_{YB}	48, 111, 195
Decimal	3186627
CIE _{Lab}	61.10, -18.68, -27.35
CIE _{LCh}	61, 33.124, 235.671
Yxy	29.3648, 0.2155, 0.2697
Android (android.graphics.Color)	4281376707 (0xFF309FC3)
YUV	129.9150, 32.0869, -71.8395
Hunter-Lab	54.1893, -17.5422, -23.3946

Details

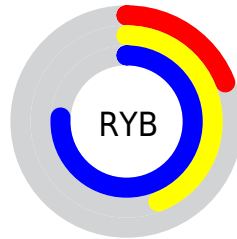
The Yxy color **29.3648, 0.2155, 0.2697** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **18.1410, 0.5319, 0.3683**, and the grayscale version is **22.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7662, 0.2337, 0.2821**, and **12.4385, 0.2030, 0.2509** is the 20% darker color. If you saturate the color by 10%, you get **27.3827, 0.2088, 0.2606**, and if you desaturate by 10%, it is **31.6205, 0.2242, 0.2788**.

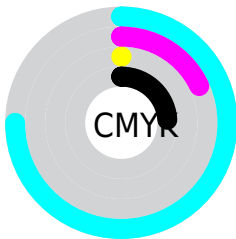
Distribution



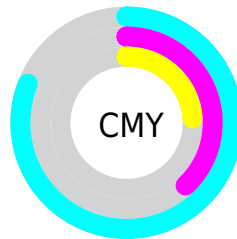
- Red (19%)
- Green (62%)
- Blue (76%)



- Red (19%)
- Yellow (44%)
- Blue (76%)



- Cyan (75%)
- Magenta (18%)
- Yellow (0%)
- Black (24%)



- Cyan (81%)
- Magenta (38%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3648, 0.2155, 0.2697 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 29.3648, 0.2155, 0.2697 by changing the saturation by 10% instead.

■ 29.3648, 0.2155,
0.2697

■ 29.3648, 0.2155,
0.2697

■ 298.9323, 0.2656,
0.3023

■ 19.3570, 0.2028,
0.2607

■ 58.6562, 0.2339,
0.2822

■ 11.9285, 0.1865,
0.2486

■ 78.7085, 0.2408,
0.2867

■ 6.6950, 0.1650,
0.2319

■ 102.8778, 0.2465,
0.2905

■ 3.2721, 0.1358,
0.2073

■ 131.5484, 0.2515,
0.2936

■ 1.2754, 0.0947,
0.1696

■ 165.1048, 0.2557,
0.2963

■ 0.1220, 0.0000,
0.0465

203.9313, 0.2594,

■ 0.0000, 0.0000,

0.2986

0.0000

248.4123, 0.2627,
0.3006

■ 29.3648, 0.2155,
0.2697

■ 29.3648, 0.2155,
0.2697

■ 27.3827, 0.2088,
0.2606

■ 31.6205, 0.2242,
0.2788

■ 25.6405, 0.2040,
0.2516

■ 34.1716, 0.2347,
0.2876

■ 24.8938, 0.2021,
0.2475

■ 37.0408, 0.2467,
0.2962

■ 40.2474, 0.2601,
0.3044

■ 43.8088, 0.2743,
0.3121

■ 47.7412, 0.2892,
0.3192

■ 52.0596, 0.3044,
0.3257

■ 56.7782, 0.3197,
0.3316

■ 61.9103, 0.3348,
0.3369

Harmonies

Analogous

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



29.3648, 0.2241, 0.3127



29.3648, 0.2155, 0.2697



29.3648, 0.2295, 0.2470

Triad

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



29.3648, 0.2155, 0.2697



29.3648, 0.3699, 0.2929



29.3648, 0.3558, 0.4273

Complementary

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



29.3648, 0.2155, 0.2697



18.1410, 0.5319, 0.3683

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.



29.3648, 0.3993, 0.4108



29.3648, 0.2155, 0.2697



29.3648, 0.4097, 0.3330

Square

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



29.3648, 0.2155, 0.2697



29.3648, 0.3154, 0.2618



29.3648, 0.4202, 0.3752



29.3648, 0.3028, 0.4122

Rectangle

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



29.3648, 0.2155, 0.2697



29.3648, 0.2508, 0.2436



29.3648, 0.4202, 0.3752



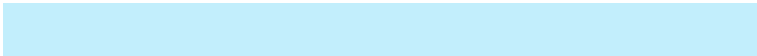
29.3648, 0.3720, 0.4248

Sweetspot

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



29.3658, 0.2155, 0.2697



79.8687, 0.2774, 0.3136



40.2632, 0.2885, 0.5218



16.9483, 0.2720, 0.3109



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



29.3658, 0.2155, 0.2697



47.1364, 0.2057, 0.2552



11.4079, 0.1835, 0.1445



10.9974, 0.2984, 0.3232



16.3197, 0.2024, 0.2487



0.8076, 0.2080, 0.2687

Inverse Universe

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



16.2128, 0.3709, 0.2017



25.5102, 0.3865, 0.1944



35.5139, 0.4461, 0.4541



10.2040, 0.3174, 0.3118



8.9297, 0.3935, 0.1941



0.3962, 0.3740, 0.1834

Previews

White Background



This preview shows how the Yxy color 29.3648, 0.2155, 0.2697 looks on a white background.

Color Contrast Check

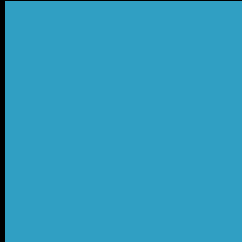
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3648, 0.2155, 0.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

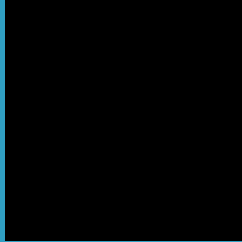
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3648, 0.2155, 0.2697

Background



This preview shows how black text looks on a background with the Yxy color 29.3648, 0.2155, 0.2697.

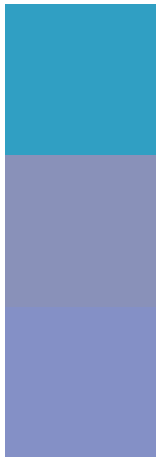


This preview shows how white text looks on a background with the Yxy color 29.3648, 0.2155, 0.2697.

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

29.3648, 0.2155, 0.2697

Protanopia

29.0719, 0.2698, 0.2686

Deuteranopia

28.9293, 0.2558, 0.2493



Tritanopia

29.2365, 0.2213, 0.3042

Trichromacy



Original Color

29.3648, 0.2155, 0.2697

Protanomaly

28.4901, 0.2429, 0.2670

Deuteranomaly

28.2928, 0.2351, 0.2540

Tritanomaly

29.2837, 0.2189, 0.2911

Monochromacy



Original Color

29.3648, 0.2155, 0.2697

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.0922, 0.2615, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3648, 0.2155, 0.2697 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(48, 159, 195)` looks like.

```
.text, #text, p{  
    color:rgb(48, 159, 195)  
}
```

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(48, 159, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 159, 195) }
```

Border

The CSS property to change the border of an element to Yxy 29.3648, 0.2155, 0.2697 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(48, 159, 195) }
```

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

```
.border{ border-color:rgb(48, 159, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 159, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 159, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 159, 195);  
box-shadow:4px 4px 4px 4px rgb(48, 159,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3648, 0.2155, 0.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 159, 195) }
```

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

```
.background{ background-color: rgb(48, 159,  
195) }
```

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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