

Converting Colors

$Y_{xy}(29.2803, 0.2176, 0.2796)$

Have a look what the booklet for
Yxy(29.2803, 0.2176, 0.2796)
contains.

Yxy(29.3736, 0.2179, 0.2802)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(29.3736, 0.2179, 0.2802)$

Conversions

Conversions Part 1

Format	Color
Hex	2DA0BD
RGB	45, 160, 189
RGB Percent	18%, 63%, 74%
CMY	0.8231, 0.3726, 0.2588
CMYK	0.76, 0.15, 0.00, 0.26
HSL	192°, 61%, 46%
HSV	192°, 76%, 74%
XYZ	22.8426, 29.3736, 52.6146
YIQ	128.9210, -77.8490, -15.3610

Conversions

Conversions Part 2

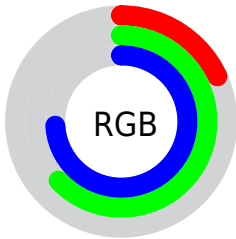
Format	Color
R_{YB}	45, 109, 189
Decimal	2990269
CIE _{Lab}	61.11, -21.50, -24.00
CIE _{LCh}	61, 32.222, 228.134
Yxy	29.3736, 0.2179, 0.2802
Android (android.graphics.Color)	4281180349 (0xFF2DA0BD)
YUV	128.9210, 29.6189, -73.5987
Hunter-Lab	54.1974, -19.6129, -19.6203

Details

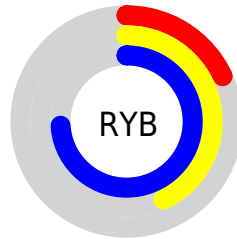
The Yxy color **29.3736, 0.2179, 0.2802** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **15.9263, 0.5418, 0.3607**, and the grayscale version is **21.8510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7042, 0.2362, 0.2913**, and **12.5027, 0.2065, 0.2632** is the 20% darker color. If you saturate the color by 10%, you get **27.7353, 0.2119, 0.2729**, and if you desaturate by 10%, it is **31.2465, 0.2258, 0.2875**.

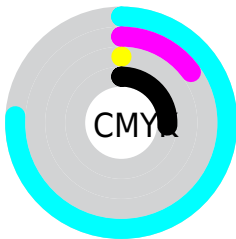
Distribution



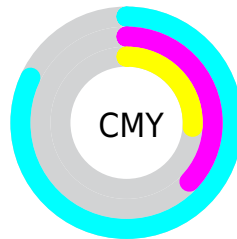
- Red (18%)
- Green (63%)
- Blue (74%)



- Red (18%)
- Yellow (43%)
- Blue (74%)



- Cyan (76%)
- Magenta (15%)
- Yellow (0%)
- Black (26%)





- Cyan (82%)
- Magenta (37%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3736, 0.2179, 0.2802 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 29.3736, 0.2179, 0.2802 by changing the saturation by 10% instead.


 29.3736, 0.2179,
0.2802

 29.3736, 0.2179,
0.2802


298.9736, 0.2669,
0.3075


 19.3636, 0.2054,
0.2725


 58.6701, 0.2360,
0.2908

 11.9333, 0.1893,
0.2620


 78.7255, 0.2427,
0.2946


 6.6983, 0.1679,
0.2471


 102.8981, 0.2483,
0.2977

 3.2741, 0.1386,
0.2249

 131.5723, 0.2531,
0.3003

 1.2765, 0.0956,
0.1894

 165.1326, 0.2573,
0.3025

 0.1229, 0.0000,
0.0557

203.9633, 0.2609,

 0.0000, 0.0000,

0.3044

0.0000

248.4489, 0.2641,
0.3061

■ 29.3736, 0.2179,
0.2802

■ 29.3736, 0.2179,
0.2802

■ 27.7353, 0.2119,
0.2729

■ 31.2465, 0.2258,
0.2875

■ 26.2988, 0.2077,
0.2656

■ 33.3740, 0.2356,
0.2947

■ 25.7739, 0.2063,
0.2628

■ 35.7769, 0.2470,
0.3017

■ 38.4730, 0.2598,
0.3084

■ 41.4782, 0.2737,
0.3147

■ 44.8075, 0.2883,
0.3206

■ 48.4745, 0.3034,
0.3259

■ 52.4920, 0.3186,
0.3308

■ 56.8723, 0.3338,
0.3352

Harmonies

Analogous

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



29.3736, 0.2320, 0.3262



29.3736, 0.2179, 0.2802



29.3736, 0.2261, 0.2527

Triad

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



29.3736, 0.2179, 0.2802



29.3736, 0.3557, 0.2851



29.3736, 0.3668, 0.4231

Complementary

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



29.3736, 0.2179, 0.2802



15.9263, 0.5418, 0.3607

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.



29.3736, 0.4047, 0.4013



29.3736, 0.2179, 0.2802



29.3736, 0.3996, 0.3227

Square

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



29.3736, 0.2179, 0.2802



29.3736, 0.3020, 0.2578



29.3736, 0.4177, 0.3641



29.3736, 0.3162, 0.4166

Rectangle

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



29.3736, 0.2179, 0.2802



29.3736, 0.2435, 0.2460



29.3736, 0.4177, 0.3641



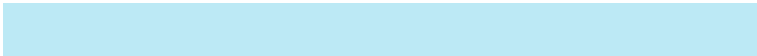
29.3736, 0.3815, 0.4184

Sweetspot

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



29.3747, 0.2179, 0.2802



75.8656, 0.2776, 0.3164



37.4529, 0.2907, 0.5306



15.8693, 0.2724, 0.3142



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.3747, 0.2179, 0.2802



48.0034, 0.2091, 0.2683



11.2620, 0.1847, 0.1509



10.4738, 0.2985, 0.3243



17.4497, 0.2066, 0.2638



0.7679, 0.2114, 0.2811

Inverse Universe

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



15.2439, 0.3615, 0.1949



24.1160, 0.3741, 0.1868



31.5198, 0.4522, 0.4493



9.6624, 0.3168, 0.3109



8.7913, 0.3788, 0.1860



0.3529, 0.3625, 0.1770

Previews

White Background



This preview shows how the Yxy color 29.3736, 0.2179, 0.2802 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 29.3736, 0.2179, 0.2802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

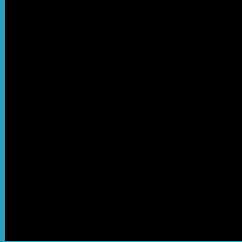
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3736, 0.2179, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 29.3736, 0.2179, 0.2802.

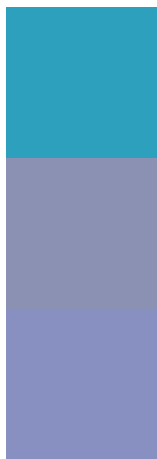


This preview shows how white text looks on a background with the Yxy color 29.3736, 0.2179, 0.2802.

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

29.3736, 0.2179, 0.2802

Protanopia

28.9541, 0.2771, 0.2785

Deuteranopia

29.0310, 0.2627, 0.2563



Tritanopia

29.2591, 0.2226, 0.3060

Trichromacy



Original Color

29.3736, 0.2179, 0.2802

Protanomaly

28.1933, 0.2475, 0.2771

Deuteranomaly

28.5020, 0.2397, 0.2627

Tritanomaly

29.1783, 0.2206, 0.2960

Monochromacy



Original Color

29.3736, 0.2179, 0.2802

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.5872, 0.2619, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3736, 0.2179, 0.2802 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(45, 160, 189)` looks like.

```
.text, #text, p{  
    color:rgb(45, 160, 189)  
}
```

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(45, 160, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 160, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.3736, 0.2179, 0.2802 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(45, 160, 189) }
```

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

```
.border{ border-color:rgb(45, 160, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 160, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 160, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 160, 189);  
box-shadow:4px 4px 4px 4px rgb(45, 160,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3736, 0.2179, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 160, 189) }
```

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

```
.background{ background-color: rgb(45, 160,  
189) }
```

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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