

Converting Colors

$Yxy(29.7027, 0.2259, 0.3034)$

Have a look what the booklet for
Yxy(29.7027, 0.2259, 0.3034)
contains.

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Color

$\text{Yxy}(29.6680, 0.2259, 0.3029)$

Conversions

Conversions Part 1

Format	Color
Hex	31A2B1
RGB	49, 162, 177
RGB Percent	19%, 64%, 69%
CMY	0.8074, 0.3647, 0.3059
CMYK	0.72, 0.08, 0.00, 0.31
HSL	187°, 57%, 44%
HSV	187°, 72%, 69%
XYZ	22.1261, 29.6680, 46.1524
YIQ	129.9230, -72.1630, -19.2910

Conversions

Conversions Part 2

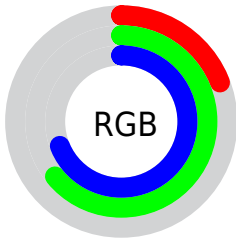
Format	Color
RYB	49, 109, 177
Decimal	3252913
CIELab	61.37, -25.90, -16.85
CIElCh	61, 30.893, 213.043
Yxy	29.6680, 0.2259, 0.3029
Android (android.graphics.Color)	4281442993 (0xFF31A2B1)
YUV	129.9230, 23.2090, -70.9695
Hunter-Lab	54.4683, -22.8094, -12.1101

Details

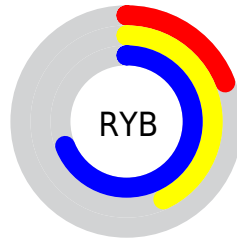
The Yxy color **29.6680, 0.2259, 0.3029** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.2489, 0.5378, 0.3471**, and the grayscale version is **22.2415, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0863, 0.2425, 0.3084**, and **12.6071, 0.2151, 0.2943** is the 20% darker color. If you saturate the color by 10%, you get **28.5857, 0.2203, 0.2988**, and if you desaturate by 10%, it is **30.9375, 0.2334, 0.3070**.

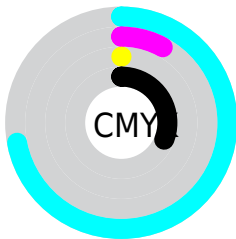
Distribution



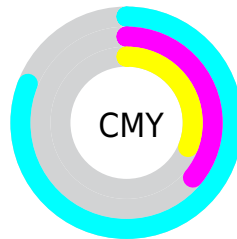
- Red (19%)
- Green (64%)
- Blue (69%)



- Red (19%)
- Yellow (43%)
- Blue (69%)



- Cyan (72%)
- Magenta (8%)
- Yellow (0%)
- Black (31%)




- Cyan (81%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.6680, 0.2259, 0.3029 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 29.6680, 0.2259, 0.3029 by changing the saturation by 10% instead.


 29.6680, 0.2259,
0.3029


 29.6680, 0.2259,
0.3029


300.3538, 0.2710,
0.3182

 19.5867, 0.2142,
0.2983


 59.1367, 0.2427,
0.3090


 12.0950, 0.1990,
0.2918


 79.2930, 0.2488,
0.3112


 6.8084, 0.1785,
0.2822


 103.5764, 0.2540,
0.3129

 3.3426, 0.1499,
0.2668

 132.3713, 0.2584,
0.3143

 1.3131, 0.1035,
0.2409

 166.0621, 0.2623,
0.3155

 0.1513, 0.0000,
0.0979

205.0332, 0.2656,

 0.0000, 0.0000,

0.3166

0.0000

249.6690, 0.2685,
0.3174

■ 29.6680, 0.2259,
0.3029

■ 29.6680, 0.2259,
0.3029

■ 28.5857, 0.2203,
0.2988

■ 30.9375, 0.2334,
0.3070

■ 27.6656, 0.2165,
0.2948

■ 32.4089, 0.2428,
0.3110

■ 27.0300, 0.2144,
0.2917

■ 34.0994, 0.2537,
0.3148

■ 36.0230, 0.2662,
0.3186

■ 38.1927, 0.2798,
0.3221

■ 40.6206, 0.2942,
0.3253

■ 43.3178, 0.3093,
0.3284

■ 46.2947, 0.3246,
0.3311

■ 49.5614, 0.3400,
0.3336

Harmonies

Analogous

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



29.6680, 0.2501, 0.3521



29.6680, 0.2259, 0.3029



29.6680, 0.2230, 0.2668

Triad

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



29.6680, 0.2259, 0.3029



29.6680, 0.3281, 0.2721



29.6680, 0.3852, 0.4113

Complementary

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



29.6680, 0.2259, 0.3029



13.2489, 0.5378, 0.3471

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.



29.6680, 0.4105, 0.3818



29.6680, 0.2259, 0.3029



29.6680, 0.3769, 0.3041

Square

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



29.6680, 0.2259, 0.3029



29.6680, 0.2785, 0.2528



29.6680, 0.4080, 0.3430



29.6680, 0.3414, 0.4196

Rectangle

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



29.6680, 0.2259, 0.3029



29.6680, 0.2329, 0.2535



29.6680, 0.4080, 0.3430



29.6680, 0.3963, 0.4032

Sweetspot

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



29.6691, 0.2259, 0.3029



68.3547, 0.2796, 0.3220



32.4689, 0.2959, 0.5361



14.5830, 0.2759, 0.3211



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.6691, 0.2259, 0.3029



50.1400, 0.2177, 0.2963



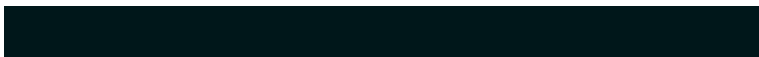
12.5906, 0.1955, 0.1812



9.4580, 0.2986, 0.3263



19.6429, 0.2145, 0.2922



0.6658, 0.2176, 0.3033

Inverse Universe

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



14.1612, 0.3412, 0.1876



22.1207, 0.3482, 0.1747



25.0009, 0.4571, 0.4329



8.6292, 0.3155, 0.3091



8.5231, 0.3524, 0.1715



0.2730, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 29.6680, 0.2259, 0.3029 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 29.6680, 0.2259, 0.3029 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 29.6680, 0.2259, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 29.6680, 0.2259, 0.3029.

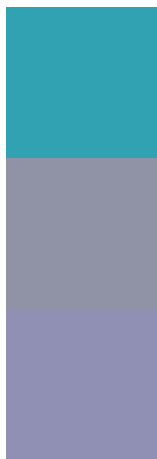


This preview shows how white text looks on a background with the Yxy color 29.6680, 0.2259, 0.3029.

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

29.6680, 0.2259, 0.3029

Protanopia

29.2402, 0.2921, 0.2980

Deuteranopia

29.2120, 0.2791, 0.2735



Tritanopia

29.5642, 0.2266, 0.3062

Trichromacy



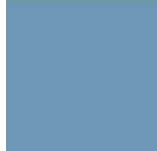
Original Color

29.6680, 0.2259, 0.3029



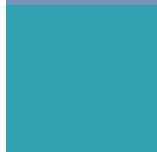
Protanomaly

28.6100, 0.2592, 0.2991



Deuteranomaly

28.6797, 0.2519, 0.2821



Tritanomaly

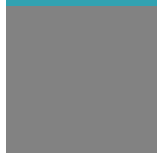
29.6036, 0.2261, 0.3045

Monochromacy



Original Color

29.6680, 0.2259, 0.3029



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.2193, 0.2681, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6680, 0.2259, 0.3029 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(49, 162, 177)` looks like.

```
.text, #text, p{  
    color:rgb(49, 162, 177)  
}
```

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(49, 162, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 162, 177) }
```

Border

The CSS property to change the border of an element to Yxy 29.6680, 0.2259, 0.3029 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(49, 162, 177) }
```

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

```
.border{ border-color:rgb(49, 162, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 162, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 162, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 162, 177);  
box-shadow:4px 4px 4px 4px rgb(49, 162,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6680, 0.2259, 0.3029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 162, 177) }
```

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

```
.background{ background-color: rgb(49, 162,  
177) }
```

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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