

Converting Colors

$Y_{xy}(29.4369, 0.2273, 0.3025)$

Have a look what the booklet for
Yxy(29.4369, 0.2273, 0.3025)
contains.

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Color

$\text{Yxy}(29.3812, 0.2273, 0.3029)$

Conversions

Conversions Part 1

Format	Color
Hex	35A1B0
RGB	53, 161, 176
RGB Percent	21%, 63%, 69%
CMY	0.7921, 0.3686, 0.3099
CMYK	0.70, 0.09, 0.00, 0.31
HSL	187°, 54%, 45%
HSV	187°, 70%, 69%
XYZ	22.0480, 29.3812, 45.5704
YIQ	130.4180, -69.1830, -18.2310

Conversions

Conversions Part 2

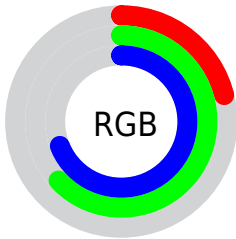
Format	Color
RYB	53, 111, 176
Decimal	3514800
CIELab	61.12, -25.18, -16.64
CIElCh	61, 30.184, 213.461
Yxy	29.3812, 0.2273, 0.3029
Android (android.graphics.Color)	4281704880 (0xFF35A1B0)
YUV	130.4180, 22.4719, -67.8956
Hunter-Lab	54.2044, -22.2516, -11.9029

Details

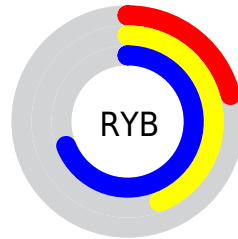
The Yxy color **29.3812, 0.2273, 0.3029** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6178, 0.5265, 0.3479**, and the grayscale version is **22.4181, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6509, 0.2436, 0.3084**, and **12.3673, 0.2150, 0.2940** is the 20% darker color. If you saturate the color by 10%, you get **28.2471, 0.2212, 0.2987**, and if you desaturate by 10%, it is **30.7054, 0.2353, 0.3071**.

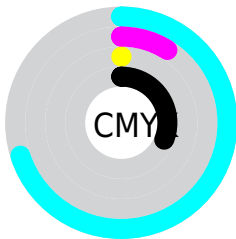
Distribution



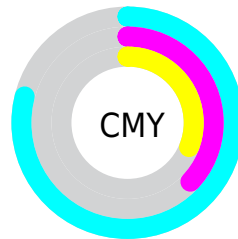
- Red (21%)
- Green (63%)
- Blue (69%)



- Red (21%)
- Yellow (44%)
- Blue (69%)



- Cyan (70%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)





- Cyan (79%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3812, 0.2273, 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 29.3812, 0.2273, 0.3029 by changing the saturation by 10% instead.


 29.3812, 0.2273,
0.3029


 29.3812, 0.2273,
0.3029


299.0093, 0.2718,
0.3182


 19.3694, 0.2157,
0.2983


 58.6822, 0.2438,
0.3090


 11.9375, 0.2007,
0.2918


 78.7402, 0.2499,
0.3112


 6.7011, 0.1803,
0.2822


 102.9156, 0.2551,
0.3129

 3.2759, 0.1517,
0.2669

 131.5930, 0.2594,
0.3143

 1.2774, 0.1047,
0.2410

 165.1567, 0.2632,
0.3155

 0.1236, 0.0000,
0.0846

203.9910, 0.2664,

 0.0000, 0.0000,

0.3165

0.0000

248.4804, 0.2693,
0.3174

■ 29.3812, 0.2273,
0.3029

■ 29.3812, 0.2273,
0.3029

■ 28.2471, 0.2212,
0.2987

■ 30.7054, 0.2353,
0.3071

■ 27.2794, 0.2169,
0.2945

■ 32.2338, 0.2451,
0.3112

■ 26.4369, 0.2140,
0.2903

■ 33.9825, 0.2565,
0.3152

■ 26.4263, 0.2140,
0.2903

■ 35.9654, 0.2693,
0.3191

■ 38.1949, 0.2831,
0.3226

■ 40.6827, 0.2978,
0.3260

■ 43.4395, 0.3129,
0.3290

■ 46.4757, 0.3283,
0.3318

■ 49.8008, 0.3436,
0.3343

Harmonies

Analogous

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



29.3812, 0.2509, 0.3510



29.3812, 0.2273, 0.3029



29.3812, 0.2247, 0.2677

Triad

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



29.3812, 0.2273, 0.3029



29.3812, 0.3286, 0.2735



29.3812, 0.3834, 0.4101

Complementary

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



29.3812, 0.2273, 0.3029



13.6178, 0.5265, 0.3479

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.



29.3812, 0.4084, 0.3814



29.3812, 0.2273, 0.3029



29.3812, 0.3762, 0.3051

Square

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



29.3812, 0.2273, 0.3029



29.3812, 0.2798, 0.2543



29.3812, 0.4063, 0.3434



29.3812, 0.3402, 0.4176

Rectangle

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



29.3812, 0.2273, 0.3029



29.3812, 0.2347, 0.2547



29.3812, 0.4063, 0.3434



29.3812, 0.3943, 0.4022

Sweetspot

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



29.3823, 0.2273, 0.3029



68.6592, 0.2810, 0.3221



32.2084, 0.2960, 0.5292



14.6385, 0.2772, 0.3212



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.



29.3823, 0.2273, 0.3029



50.2284, 0.2185, 0.2963



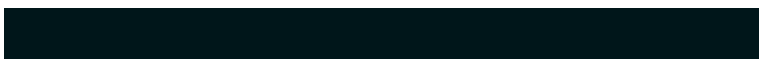
13.0348, 0.1989, 0.1869



9.4514, 0.2986, 0.3262



19.4525, 0.2141, 0.2907



0.6614, 0.2173, 0.3023

Inverse Universe

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



14.3487, 0.3410, 0.1911



22.5037, 0.3481, 0.1769



25.1437, 0.4520, 0.4309



8.6286, 0.3155, 0.3092



8.5039, 0.3537, 0.1722



0.2725, 0.3434, 0.1665

Previews

White Background



This preview shows how the Yxy color 29.3812, 0.2273, 0.3029 looks on a white background.

Color Contrast Check

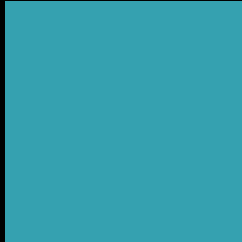
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3812, 0.2273, 0.3029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

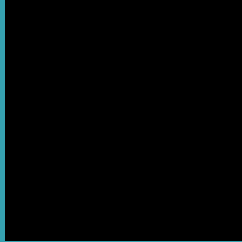
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3812, 0.2273, 0.3029

Background



This preview shows how black text looks on a background with the Yxy color 29.3812, 0.2273, 0.3029.



This preview shows how white text looks on a background with the Yxy color 29.3812, 0.2273, 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

29.3812, 0.2273, 0.3029

Protanopia

28.8436, 0.2911, 0.2963

Deuteranopia

28.8695, 0.2799, 0.2733



Tritanopia

29.2758, 0.2280, 0.3062

Trichromacy



Original Color

29.3812, 0.2273, 0.3029

Protanomaly

28.3505, 0.2597, 0.2975

Deuteranomaly

28.4469, 0.2539, 0.2821

Tritanomaly

29.3149, 0.2275, 0.3045

Monochromacy



Original Color

29.3812, 0.2273, 0.3029

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.9811, 0.2688, 0.3180

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3812, 0.2273, 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(53, 161, 176)` looks like.

```
.text, #text, p{  
  color:rgb(53, 161, 176)  
}
```

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(53, 161, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 161, 176) }
```

Border

The CSS property to change the border of an element to Yxy 29.3812, 0.2273, 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(53, 161, 176) }
```

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

```
.border{ border-color:rgb(53, 161, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 161, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 161, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 161, 176);  
box-shadow:4px 4px 4px 4px rgb(53, 161,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3812, 0.2273, 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(53, 161, 176) }
```

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

```
.background{ background-color: rgb(53, 161,  
176) }
```

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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