

Converting Colors

$Y_{xy}(28.0863, 0.2274, 0.3172)$

Have a look what the booklet for
Yxy(28.0863, 0.2274, 0.3172)
contains.

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Color

Yxy(27.9615, 0.2270, 0.3161)

Conversions

Conversions Part 1

Format	Color
Hex	269FA6
RGB	38, 159, 166
RGB Percent	15%, 62%, 65%
CMY	0.8510, 0.3765, 0.3490
CMYK	0.77, 0.04, 0.00, 0.35
HSL	183°, 63%, 40%
HSV	183°, 77%, 65%
XYZ	20.0799, 27.9615, 40.4164
YIQ	123.6190, -74.3630, -23.4750

Conversions

Conversions Part 2

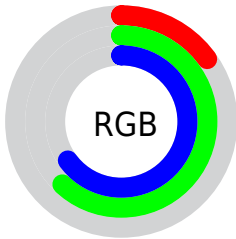
Format	Color
R_{YB}	38, 100, 166
Decimal	2531238
CIE _{Lab}	59.85, -29.17, -12.95
CIE _{LCh}	60, 31.913, 203.946
Yxy	27.9615, 0.2270, 0.3161
Android (android.graphics.Color)	4280721318 (0xFF269FA6)
YUV	123.6190, 20.8938, -75.0879
Hunter-Lab	52.8786, -24.7548, -8.3017

Details

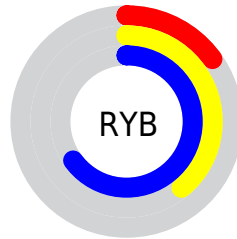
The Yxy color **27.9615, 0.2270, 0.3161** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.1229, 0.5666, 0.3371**, and the grayscale version is **19.9697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.3778, 0.2439, 0.3195**, and **11.7303, 0.2196, 0.3106** is the 20% darker color. If you saturate the color by 10%, you get **27.4033, 0.2230, 0.3143**, and if you desaturate by 10%, it is **28.6647, 0.2328, 0.3179**.

Distribution



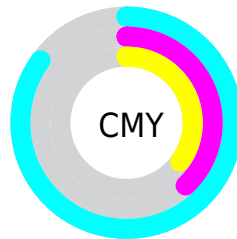
- Red (15%)
- Green (62%)
- Blue (65%)



- Red (15%)
- Yellow (39%)
- Blue (65%)



- Cyan (77%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)





- Cyan (85%)
- Magenta (38%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9615, 0.2270, 0.3161 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 27.9615, 0.2270, 0.3161 by changing the saturation by 10% instead.


 27.9615, 0.2270,
0.3161


 27.9615, 0.2270,
0.3161


292.2829, 0.2721,
0.3244


 18.2966, 0.2151,
0.3133


 56.4230, 0.2439,
0.3196

 11.1632, 0.1994,
0.3091


 75.9884, 0.2501,
0.3208


 6.1767, 0.1781,
0.3026

 99.6227, 0.2553,
0.3217

 2.9528, 0.1478,
0.2912

 127.7105, 0.2597,
0.3225

 1.1071, 0.0807,
0.2752

 160.6360, 0.2635,
0.3231

 0.0000, 0.0000,
0.0000

198.7836, 0.2667,

0.3236

242.5378, 0.2696,
0.3240

■ 27.9615, 0.2270,
0.3161

■ 27.9615, 0.2270,
0.3161

■ 27.4033, 0.2230,
0.3143

■ 28.6647, 0.2328,
0.3179

■ 26.9618, 0.2206,
0.3125

■ 29.5264, 0.2405,
0.3198

■ 26.8423, 0.2200,
0.3120

■ 30.5620, 0.2500,
0.3215

■ 31.7843, 0.2611,
0.3233

■ 33.2046, 0.2736,
0.3250

■ 34.8337, 0.2874,
0.3265

■ 36.6812, 0.3019,
0.3280

■ 38.7564, 0.3171,
0.3294

■ 41.0680, 0.3327,
0.3306

Harmonies

Analogous

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



27.9615, 0.2585, 0.3695



27.9615, 0.2270, 0.3161



27.9615, 0.2172, 0.2729

Triad

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



27.9615, 0.2270, 0.3161



27.9615, 0.3123, 0.2616



27.9615, 0.3995, 0.4076

Complementary

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



27.9615, 0.2270, 0.3161



10.1229, 0.5666, 0.3371

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.



27.9615, 0.4182, 0.3722



27.9615, 0.2270, 0.3161



27.9615, 0.3659, 0.2915

Square

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



27.9615, 0.2270, 0.3161



27.9615, 0.2631, 0.2463



27.9615, 0.4061, 0.3306



27.9615, 0.3579, 0.4250

Rectangle

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



27.9615, 0.2270, 0.3161



27.9615, 0.2231, 0.2548



27.9615, 0.4061, 0.3306



27.9615, 0.4089, 0.3971

Sweetspot

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



27.9625, 0.2270, 0.3161



61.3064, 0.2786, 0.3256



27.8703, 0.2992, 0.5598



13.4973, 0.2739, 0.3250



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



27.9625, 0.2270, 0.3161



49.1113, 0.2211, 0.3129



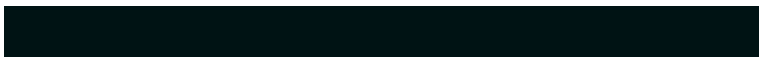
11.4569, 0.1941, 0.1880



8.4607, 0.2987, 0.3277



20.8364, 0.2201, 0.3122



0.5274, 0.2217, 0.3181

Inverse Universe

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



11.9960, 0.3306, 0.1749



19.5030, 0.3340, 0.1636



19.0560, 0.4782, 0.4243



7.6594, 0.3146, 0.3079



8.1745, 0.3348, 0.1618



0.2009, 0.3298, 0.1591

Previews

White Background



This preview shows how the Yxy color 27.9615, 0.2270, 0.3161 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 27.9615, 0.2270, 0.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

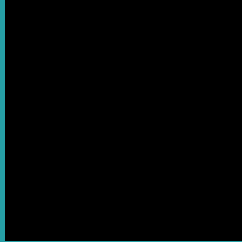
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9615, 0.2270, 0.3161

Background



This preview shows how black text looks on a background with the Yxy color 27.9615, 0.2270, 0.3161.

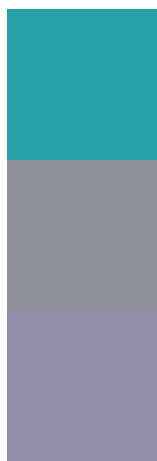


This preview shows how white text looks on a background with the Yxy color 27.9615, 0.2270, 0.3161.

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

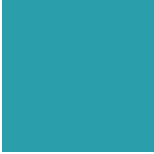
27.9615, 0.2270, 0.3161

Protanopia

27.4633, 0.3001, 0.3082

Deuteranopia

27.5877, 0.2883, 0.2827



Tritanopia

27.8862, 0.2250, 0.3056

Trichromacy



Original Color

27.9615, 0.2270, 0.3161



Protanomaly

26.6261, 0.2625, 0.3098



Deuteranomaly

26.7353, 0.2556, 0.2918



Tritanomaly

27.7897, 0.2258, 0.3090

Monochromacy



Original Color

27.9615, 0.2270, 0.3161



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.0826, 0.2667, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9615, 0.2270, 0.3161 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(38, 159, 166)` looks like.

```
.text, #text, p{  
    color:rgb(38, 159, 166)  
}
```

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(38, 159, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 159, 166) }
```

Border

The CSS property to change the border of an element to Yxy 27.9615, 0.2270, 0.3161 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(38, 159, 166) }
```

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

```
.border{ border-color:rgb(38, 159, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 159, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(38, 159, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(38, 159, 166); box-shadow:4px 4px 4px 4px rgb(38, 159, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9615, 0.2270, 0.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 159, 166) }
```

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

```
.background{ background-color: rgb(38, 159,  
166) }
```

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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