

Converting Colors

$Y_{xy}(30.9236, 0.2566, 0.3178)$

Have a look what the booklet for
Yxy(30.9236, 0.2566, 0.3178)
contains.

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Color

Yxy(30.9891, 0.2570, 0.3189)

Conversions

Conversions Part 1

Format	Color
Hex	64A1A7
RGB	100, 161, 167
RGB Percent	39%, 63%, 65%
CMY	0.6078, 0.3686, 0.3452
CMYK	0.40, 0.04, 0.00, 0.35
HSL	185°, 28%, 52%
HSV	185°, 40%, 65%
XYZ	24.9740, 30.9891, 41.2119
YIQ	143.4450, -38.2820, -11.0660

Conversions

Conversions Part 2

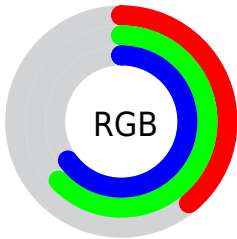
Format	Color
RYB	100, 132, 167
Decimal	6594983
CIELab	62.50, -18.11, -9.33
CIElCh	62, 20.370, 207.260
Yxy	30.9891, 0.2570, 0.3189
Android (android.graphics.Color)	4284785063 (0xFF64A1A7)
YUV	143.4450, 11.6126, -38.1013
Hunter-Lab	55.6679, -17.3393, -4.9259

Details

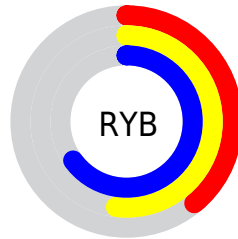
The Yxy color **30.9891, 0.2570, 0.3189** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4367, 0.4074, 0.3386**, and the grayscale version is **27.6202, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2557, 0.2680, 0.3214**, and **12.7794, 0.2393, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **29.6164, 0.2460, 0.3160**, and if you desaturate by 10%, it is **32.5655, 0.2694, 0.3217**.

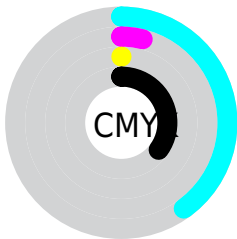
Distribution



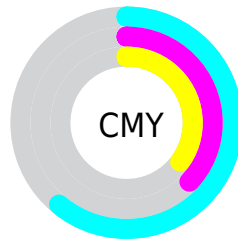
- Red (39%)
- Green (63%)
- Blue (65%)



- Red (39%)
- Yellow (52%)
- Blue (65%)



- Cyan (40%)
- Magenta (4%)
- Yellow (0%)
- Black (35%)



- Cyan (61%)
- Magenta (37%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.9891, 0.2570, 0.3189 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 30.9891, 0.2570, 0.3189 by changing the saturation by 10% instead.

■ 30.9891, 0.2570,
0.3189

■ 30.9891, 0.2570,
0.3189

306.4881, 0.2862,
0.3249

■ 20.5905, 0.2492,
0.3171

■ 61.2229, 0.2680,
0.3213

■ 12.8250, 0.2390,
0.3145

■ 81.8270, 0.2720,
0.3221

■ 7.3082, 0.2249,
0.3106

■ 106.6016, 0.2753,
0.3228

■ 3.6556, 0.2044,
0.3042

■ 135.9313, 0.2782,
0.3234

■ 1.4828, 0.1721,
0.2921

170.2004, 0.2806,
0.3238

■ 0.2766, 0.0000,
0.2249

209.7933, 0.2827,

■ 0.0000, 0.0000,

0.3242

0.0000

255.0944, 0.2846,
0.3246

■ 30.9891, 0.2570,
0.3189

■ 30.9891, 0.2570,
0.3189

■ 29.6164, 0.2460,
0.3160

■ 32.5655, 0.2694,
0.3217

■ 28.4319, 0.2366,
0.3130

■ 34.3531, 0.2830,
0.3243

■ 27.4233, 0.2291,
0.3100

■ 36.3631, 0.2975,
0.3267

■ 26.5754, 0.2234,
0.3070

■ 38.6052, 0.3126,
0.3290

■ 25.8706, 0.2195,
0.3040

■ 41.0883, 0.3279,
0.3310

■ 25.2744, 0.2170,
0.3010

■ 43.8208, 0.3434,
0.3329

■ 46.8109, 0.3587,
0.3345

■ 50.0661, 0.3737,
0.3359

■ 53.5939, 0.3883,
0.3372

Harmonies

Analogous

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



30.9891, 0.2764, 0.3503



30.9891, 0.2570, 0.3189



30.9891, 0.2518, 0.2926

Triad

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



30.9891, 0.2570, 0.3189



30.9891, 0.3168, 0.2874



30.9891, 0.3650, 0.3807

Complementary

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



30.9891, 0.2570, 0.3189



19.4367, 0.4074, 0.3386

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.



30.9891, 0.3775, 0.3608



30.9891, 0.2570, 0.3189



30.9891, 0.3490, 0.3082

Square

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



30.9891, 0.2570, 0.3189



30.9891, 0.2850, 0.2764



30.9891, 0.3717, 0.3344



30.9891, 0.3385, 0.3873

Rectangle

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



30.9891, 0.2570, 0.3189



30.9891, 0.2568, 0.2813



30.9891, 0.3717, 0.3344



30.9891, 0.3710, 0.3752

Sweetspot

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



30.9903, 0.2570, 0.3189



64.3511, 0.2944, 0.3262



31.3702, 0.3030, 0.4390



14.2983, 0.2926, 0.3259



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.



30.9903, 0.2570, 0.3189



53.3441, 0.2473, 0.3164



20.9140, 0.2480, 0.2602



8.4160, 0.2987, 0.3269



19.3832, 0.2170, 0.3013



0.5036, 0.2198, 0.3112

Inverse Universe

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



19.9021, 0.3245, 0.2399



30.9873, 0.3275, 0.2219



27.6192, 0.3868, 0.3888



7.6549, 0.3150, 0.3087



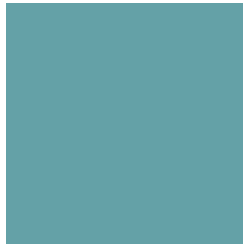
8.0278, 0.3442, 0.1670



0.1986, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 30.9891, 0.2570, 0.3189 looks on a white background.

Color Contrast Check

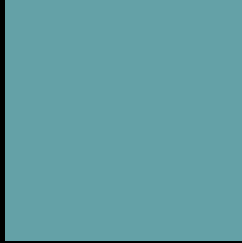
Large Text (above 18pt) WCAG AA × Fail

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 30.9891, 0.2570, 0.3189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

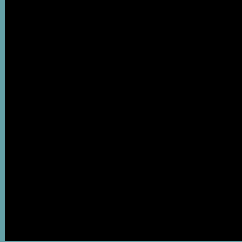
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9891, 0.2570, 0.3189

Background



This preview shows how black text looks on a background with the Yxy color 30.9891, 0.2570, 0.3189.



This preview shows how white text looks on a background with the Yxy color 30.9891, 0.2570, 0.3189.

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

30.9891, 0.2570, 0.3189

Protanopia

30.8348, 0.3034, 0.3137

Deuteranopia

30.8376, 0.3003, 0.2949



Tritanopia

30.9835, 0.2540, 0.3075

Trichromacy



Original Color

30.9891, 0.2570, 0.3189

Protanomaly

30.6611, 0.2841, 0.3146

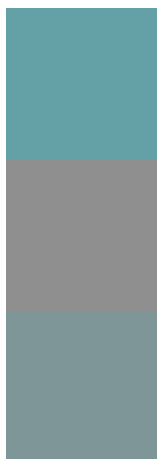
Deuteranomaly

30.5553, 0.2825, 0.3024

Tritanomaly

30.8486, 0.2547, 0.3107

Monochromacy



Original Color

30.9891, 0.2570, 0.3189

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.5917, 0.2884, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9891, 0.2570, 0.3189 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(100, 161, 167)` looks like.

```
.text, #text, p{  
    color:rgb(100, 161, 167)  
}
```

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(100, 161, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 161, 167) }
```

Border

The CSS property to change the border of an element to Yxy 30.9891, 0.2570, 0.3189 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(100, 161, 167) }
```

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

```
.border{ border-color:rgb(100, 161, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 161, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 161, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 161, 167);  
box-shadow:4px 4px 4px 4px rgb(100, 161,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9891, 0.2570, 0.3189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 161, 167) }
```

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

```
.background{ background-color: rgb(100,  
161, 167) }
```

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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