

Converting Colors

$Y_{xy}(30.7955, 0.2491, 0.3105)$

Have a look what the booklet for
Yxy(30.7955, 0.2491, 0.3105)
contains.

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Color

$\text{Yxy}(30.7955, 0.2491, 0.3105)$

Conversions

Conversions Part 1

Format	Color
Hex	5DA1AC
RGB	93, 161, 172
RGB Percent	36%, 63%, 67%
CMY	0.6353, 0.3686, 0.3254
CMYK	0.46, 0.06, 0.00, 0.33
HSL	188°, 32%, 52%
HSV	188°, 46%, 67%
XYZ	24.7058, 30.7955, 43.6790
YIQ	141.9220, -44.0590, -10.9950

Conversions

Conversions Part 2

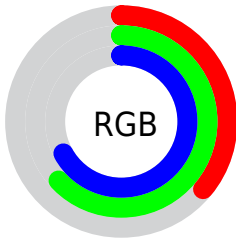
Format	Color
RYB	93, 130, 172
Decimal	6136236
CIELab	62.33, -18.55, -12.44
CIElCh	62, 22.338, 213.852
Yxy	30.7955, 0.2491, 0.3105
Android (android.graphics.Color)	4284326316 (0xFF5DA1AC)
YUV	141.9220, 14.8285, -42.9046
Hunter-Lab	55.4937, -17.6457, -7.8215

Details

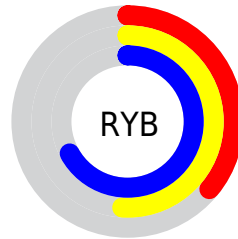
The Yxy color **30.7955, 0.2491, 0.3105** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.4644, 0.4256, 0.3460**, and the grayscale version is **26.9713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9537, 0.2619, 0.3152**, and **12.6684, 0.2284, 0.3019** is the 20% darker color. If you saturate the color by 10%, you get **29.1680, 0.2384, 0.3058**, and if you desaturate by 10%, it is **32.6434, 0.2612, 0.3150**.

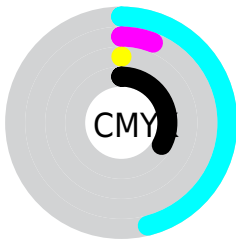
Distribution



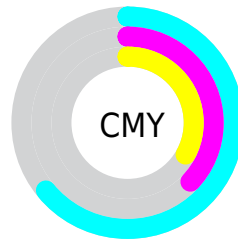
- Red (36%)
- Green (63%)
- Blue (67%)



- Red (36%)
- Yellow (51%)
- Blue (67%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





- Cyan (64%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7955, 0.2491, 0.3105 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 30.7955, 0.2491, 0.3105 by changing the saturation by 10% instead.


 30.7955, 0.2491,
0.3105


 30.7955, 0.2491,
0.3105


305.5951, 0.2824,
0.3211


 20.4432, 0.2403,
0.3074


 60.9180, 0.2615,
0.3147

 12.7176, 0.2288,
0.3030


 81.4569, 0.2661,
0.3162

 7.2344, 0.2131,
0.2966


 106.1601, 0.2699,
0.3174

 3.6091, 0.1904,
0.2864

 135.4121, 0.2732,
0.3184

 1.4574, 0.1554,
0.2681

169.5972, 0.2759,
0.3192

 0.2585, 0.0000,
0.1817

209.0998, 0.2784,

 0.0000, 0.0000,

0.3199

0.0000

254.3043, 0.2805,
0.3205

■ 30.7955, 0.2491,
0.3105

■ 30.7955, 0.2491,
0.3105

■ 29.1680, 0.2384,
0.3058

■ 32.6434, 0.2612,
0.3150

■ 27.7434, 0.2295,
0.3010

■ 34.7205, 0.2746,
0.3193

■ 26.5075, 0.2223,
0.2961

■ 37.0396, 0.2888,
0.3233

■ 25.4423, 0.2171,
0.2913

■ 39.6114, 0.3037,
0.3270

■ 24.5244, 0.2136,
0.2864

■ 42.4459, 0.3189,
0.3303

■ 24.1725, 0.2124,
0.2845

■ 45.5527, 0.3342,
0.3334

■ 48.9405, 0.3494,
0.3361

■ 52.6181, 0.3643,
0.3385

■ 56.5936, 0.3787,
0.3406

Harmonies

Analogous

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



30.7955, 0.2670, 0.3448



30.7955, 0.2491, 0.3105



30.7955, 0.2471, 0.2842

Triad

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



30.7955, 0.2491, 0.3105



30.7955, 0.3252, 0.2878



30.7955, 0.3647, 0.3888

Complementary

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



30.7955, 0.2491, 0.3105



19.4644, 0.4256, 0.3460

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.



30.7955, 0.3825, 0.3692



30.7955, 0.2491, 0.3105



30.7955, 0.3593, 0.3121

Square

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



30.7955, 0.2491, 0.3105



30.7955, 0.2894, 0.2731



30.7955, 0.3808, 0.3412



30.7955, 0.3333, 0.3924

Rectangle

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



30.7955, 0.2491, 0.3105



30.7955, 0.2549, 0.2740



30.7955, 0.3808, 0.3412



30.7955, 0.3725, 0.3837

Sweetspot

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



30.7967, 0.2491, 0.3105



67.9367, 0.2913, 0.3239



32.8277, 0.2990, 0.4513



14.5613, 0.2882, 0.3231



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.7967, 0.2491, 0.3105



52.8917, 0.2384, 0.3058



19.2172, 0.2368, 0.2406



8.8789, 0.2986, 0.3258



18.0446, 0.2125, 0.2850



0.5533, 0.2166, 0.2996

Inverse Universe

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



19.1732, 0.3316, 0.2324



29.7295, 0.3368, 0.2139



29.2198, 0.3974, 0.4029



8.1286, 0.3158, 0.3097



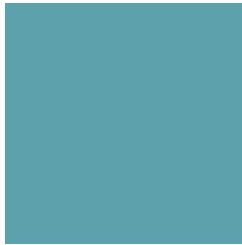
8.1247, 0.3589, 0.1751



0.2312, 0.3458, 0.1679

Previews

White Background



This preview shows how the Yxy color 30.7955, 0.2491, 0.3105 looks on a white background.

Color Contrast Check

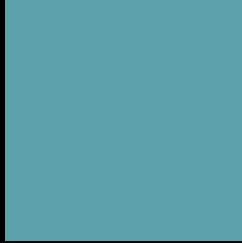
Large Text (above 18pt) WCAG AA × Fail

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 30.7955, 0.2491, 0.3105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

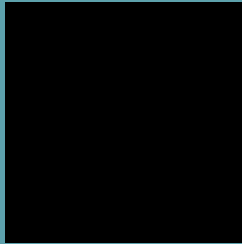
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7955, 0.2491, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 30.7955, 0.2491, 0.3105.



This preview shows how white text looks on a background with the Yxy color 30.7955, 0.2491, 0.3105.

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

30.7955, 0.2491, 0.3105

Protanopia

30.4711, 0.2979, 0.3060

Deuteranopia

30.3283, 0.2919, 0.2859



Tritanopia

30.9254, 0.2485, 0.3073

Trichromacy



Original Color

30.7955, 0.2491, 0.3105

Protanomaly

30.1617, 0.2772, 0.3066

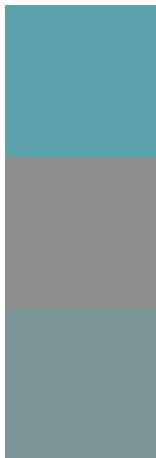
Deuteranomaly

30.0145, 0.2740, 0.2930

Tritanomaly

30.8866, 0.2491, 0.3089

Monochromacy



Original Color

30.7955, 0.2491, 0.3105

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.0799, 0.2847, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7955, 0.2491, 0.3105 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(93, 161, 172)` looks like.

```
.text, #text, p{  
    color:rgb(93, 161, 172)  
}
```

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(93, 161, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 161, 172) }
```

Border

The CSS property to change the border of an element to Yxy 30.7955, 0.2491, 0.3105 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(93, 161, 172) }
```

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

```
.border{ border-color:rgb(93, 161, 172) }
```

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

Here you see how a box with a 4 pixel rgb(93, 161, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 161, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 161, 172);  
box-shadow:4px 4px 4px 4px rgb(93, 161,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7955, 0.2491, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 161, 172) }
```

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

```
.background{ background-color: rgb(93, 161,  
172) }
```

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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