

Converting Colors

$Yxy(29.9430, 0.2439, 0.3099)$

Have a look what the booklet for
Yxy(29.9430, 0.2439, 0.3099)
contains.

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Color

Yxy(29.9667, 0.2440, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	54A0AB
RGB	84, 160, 171
RGB Percent	33%, 63%, 67%
CMY	0.6709, 0.3725, 0.3294
CMYK	0.51, 0.06, 0.00, 0.33
HSL	188°, 34%, 50%
HSV	188°, 51%, 67%
XYZ	23.5715, 29.9667, 43.0663
YIQ	138.5300, -48.8270, -12.6910

Conversions

Conversions Part 2

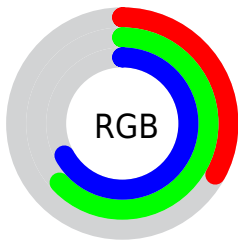
Format	Color
RYB	84, 125, 171
Decimal	5546155
CIELab	61.63, -20.46, -12.97
CIELCh	62, 24.222, 212.383
Yxy	29.9667, 0.2440, 0.3102
Android (android.graphics.Color)	4283736235 (0xFF54A0AB)
YUV	138.5300, 16.0077, -47.8228
Hunter-Lab	54.7418, -18.9373, -8.3251

Details

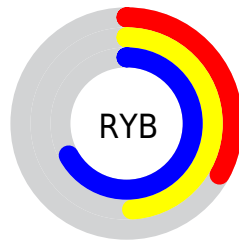
The Yxy color **29.9667, 0.2440, 0.3102** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4622, 0.4451, 0.3458**, and the grayscale version is **25.5735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6673, 0.2579, 0.3150**, and **12.2165, 0.2220, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **28.5325, 0.2343, 0.3059**, and if you desaturate by 10%, it is **31.6087, 0.2553, 0.3144**.

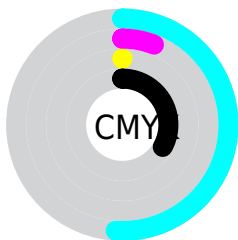
Distribution



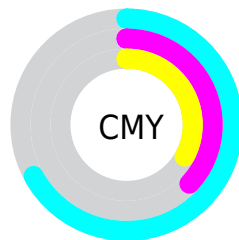
- Red (33%)
- Green (63%)
- Blue (67%)



- Red (33%)
- Yellow (49%)
- Blue (67%)



- Cyan (51%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





- Cyan (67%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9667, 0.2440, 0.3102 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 29.9667, 0.2440, 0.3102 by changing the saturation by 10% instead.


 29.9667, 0.2440,
0.3102

 29.9667, 0.2440,
0.3102


301.7492, 0.2800,
0.3211


 19.8133, 0.2345,
0.3069


 59.6095, 0.2575,
0.3146


 12.2594, 0.2220,
0.3023


 79.8677, 0.2624,
0.3161

 6.9206, 0.2050,
0.2955


 104.2630, 0.2665,
0.3173

 3.4125, 0.1804,
0.2844

 133.1797, 0.2701,
0.3183

 1.3507, 0.1418,
0.2646

167.0023, 0.2731,
0.3192

 0.1800, 0.0000,
0.1395

206.1152, 0.2757,

 0.0000, 0.0000,

0.3199

0.0000

250.9027, 0.2780,
0.3206

■ 29.9667, 0.2440,
0.3102

■ 29.9667, 0.2440,
0.3102

■ 28.5325, 0.2343,
0.3059

■ 31.6087, 0.2553,
0.3144

■ 27.2883, 0.2264,
0.3016

■ 33.4679, 0.2679,
0.3183

■ 26.2189, 0.2204,
0.2972

■ 35.5573, 0.2817,
0.3221

■ 25.3051, 0.2162,
0.2928

■ 37.8878, 0.2962,
0.3255

■ 24.5723, 0.2136,
0.2889

■ 40.4696, 0.3113,
0.3287

■ 43.3122, 0.3266,
0.3316

■ 46.4247, 0.3419,
0.3342

■ 49.8158, 0.3571,
0.3365

■ 53.4935, 0.3718,
0.3386

Harmonies

Analogous

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



29.9667, 0.2642, 0.3481



29.9667, 0.2440, 0.3102



29.9667, 0.2411, 0.2810

Triad

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



29.9667, 0.2440, 0.3102



29.9667, 0.3243, 0.2831



29.9667, 0.3708, 0.3936

Complementary

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



29.9667, 0.2440, 0.3102



17.4622, 0.4451, 0.3458

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.



29.9667, 0.3895, 0.3712



29.9667, 0.2440, 0.3102



29.9667, 0.3621, 0.3090

Square

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



29.9667, 0.2440, 0.3102



29.9667, 0.2853, 0.2678



29.9667, 0.3866, 0.3404



29.9667, 0.3368, 0.3990

Rectangle

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



29.9667, 0.2440, 0.3102



29.9667, 0.2489, 0.2696



29.9667, 0.3866, 0.3404



29.9667, 0.3791, 0.3876

Sweetspot

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



29.9678, 0.2440, 0.3102



65.9937, 0.2898, 0.3241



31.8142, 0.2987, 0.4697



14.5271, 0.2869, 0.3233



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.



29.9678, 0.2440, 0.3102



50.8297, 0.2333, 0.3054



17.6133, 0.2288, 0.2317



8.8972, 0.2986, 0.3261



18.5783, 0.2137, 0.2893



0.5640, 0.2174, 0.3024

Inverse Universe

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



17.5240, 0.3326, 0.2216



26.6426, 0.3379, 0.2026



27.3628, 0.4093, 0.4084



8.1304, 0.3156, 0.3094



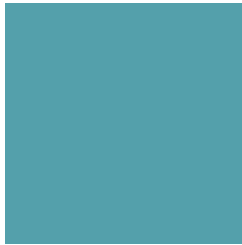
8.1785, 0.3549, 0.1729



0.2323, 0.3433, 0.1665

Previews

White Background



This preview shows how the Yxy color 29.9667, 0.2440, 0.3102 looks on a white background.

Color Contrast Check

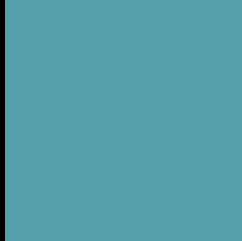
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9667, 0.2440, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

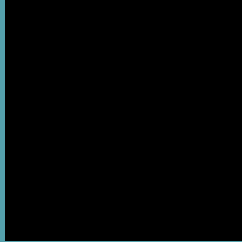
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9667, 0.2440, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 29.9667, 0.2440, 0.3102.



This preview shows how white text looks on a background with the Yxy color 29.9667, 0.2440, 0.3102.

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

29.9667, 0.2440, 0.3102

Protanopia

29.6228, 0.2968, 0.3042

Deuteranopia

29.7908, 0.2908, 0.2855



Tritanopia

30.0436, 0.2428, 0.3069

Trichromacy



Original Color

29.9667, 0.2440, 0.3102

Protanomaly

29.4206, 0.2735, 0.3062

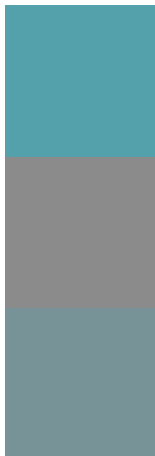
Deuteranomaly

29.2654, 0.2703, 0.2924

Tritanomaly

30.0050, 0.2434, 0.3085

Monochromacy



Original Color

29.9667, 0.2440, 0.3102

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.0237, 0.2816, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9667, 0.2440, 0.3102 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(84, 160, 171)` looks like.

```
.text, #text, p{  
    color:rgb(84, 160, 171)  
}
```

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(84, 160, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 160, 171) }
```

Border

The CSS property to change the border of an element to Yxy 29.9667, 0.2440, 0.3102 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(84, 160, 171) }
```

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

```
.border{ border-color:rgb(84, 160, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 160, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 160, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 160, 171);  
box-shadow:4px 4px 4px 4px rgb(84, 160,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9667, 0.2440, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 160, 171) }
```

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

```
.background{ background-color: rgb(84, 160,  
171) }
```

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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