

Converting Colors

$Y_{xy}(30.3685, 0.2450, 0.3121)$

Have a look what the booklet for
Yxy(30.3685, 0.2450, 0.3121)
contains.

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Color

Yxy(30.3613, 0.2449, 0.3119)

Conversions

Conversions Part 1

Format	Color
Hex	55A1AB
RGB	85, 161, 171
RGB Percent	33%, 63%, 67%
CMY	0.6669, 0.3686, 0.3293
CMYK	0.50, 0.06, 0.00, 0.33
HSL	187°, 34%, 50%
HSV	187°, 50%, 67%
XYZ	23.8393, 30.3613, 43.1424
YIQ	139.4160, -48.5060, -13.0020

Conversions

Conversions Part 2

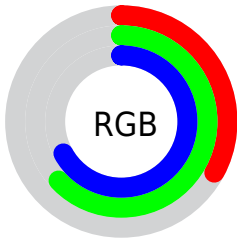
Format	Color
RYP	85, 125, 171
Decimal	5611947
CIELab	61.96, -20.73, -12.47
CIElCh	62, 24.196, 211.035
Yxy	30.3613, 0.2449, 0.3119
Android (android.graphics.Color)	4283802027 (0xFF55A1AB)
YUV	139.4160, 15.5709, -47.7228
Hunter-Lab	55.1011, -19.1994, -7.8515

Details

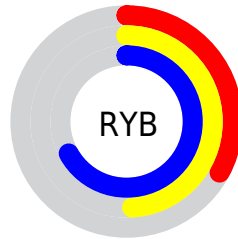
The Yxy color **30.3613, 0.2449, 0.3119** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **17.4918, 0.4435, 0.3444**, and the grayscale version is **25.9360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.2654, 0.2586, 0.3163**, and **12.4398, 0.2230, 0.3038** is the 20% darker color. If you saturate the color by 10%, you get **28.9672, 0.2352, 0.3080**, and if you desaturate by 10%, it is **31.9622, 0.2562, 0.3157**.

Distribution



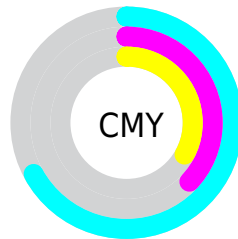
- Red (33%)
- Green (63%)
- Blue (67%)



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



- Cyan (50%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3613, 0.2449, 0.3119 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 30.3613, 0.2449, 0.3119 by changing the saturation by 10% instead.

 30.3613, 0.2449,
0.3119


 30.3613, 0.2449,
0.3119


303.5849, 0.2804,
0.3219


 20.1130, 0.2356,
0.3089


 60.2331, 0.2582,
0.3159


 12.4772, 0.2233,
0.3046

 80.6253, 0.2630,
0.3173

 7.0695, 0.2065,
0.2983


 105.1677, 0.2671,
0.3184

 3.5056, 0.1824,
0.2881

 134.2446, 0.2706,
0.3193

 1.4011, 0.1449,
0.2696

168.2403, 0.2735,
0.3201

 0.2175, 0.0000,
0.1631

207.5394, 0.2761,

 0.0000, 0.0000,

0.3208

0.0000

252.5261, 0.2784,
0.3214

■ 30.3613, 0.2449,
0.3119

■ 30.3613, 0.2449,
0.3119

■ 28.9672, 0.2352,
0.3080

■ 31.9622, 0.2562,
0.3157

■ 27.7621, 0.2274,
0.3040

■ 33.7792, 0.2688,
0.3194

■ 26.7311, 0.2214,
0.2999

■ 35.8252, 0.2826,
0.3228

■ 25.8551, 0.2172,
0.2960

■ 38.1111, 0.2971,
0.3260

■ 25.1154, 0.2145,
0.2921

■ 40.6470, 0.3122,
0.3289

■ 43.4423, 0.3275,
0.3316

■ 46.5062, 0.3429,
0.3340

■ 49.8472, 0.3581,
0.3361

■ 53.4735, 0.3729,
0.3379

Harmonies

Analogous

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



30.3613, 0.2657, 0.3498



30.3613, 0.2449, 0.3119



30.3613, 0.2412, 0.2822

Triad

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



30.3613, 0.2449, 0.3119



30.3613, 0.3224, 0.2824



30.3613, 0.3717, 0.3926

Complementary

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



30.3613, 0.2449, 0.3119



17.4918, 0.4435, 0.3444

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.



30.3613, 0.3895, 0.3697



30.3613, 0.2449, 0.3119



30.3613, 0.3604, 0.3078

Square

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



30.3613, 0.2449, 0.3119



30.3613, 0.2839, 0.2678



30.3613, 0.3855, 0.3389



30.3613, 0.3384, 0.3988

Rectangle

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



30.3613, 0.2449, 0.3119



30.3613, 0.2485, 0.2704



30.3613, 0.3855, 0.3389



30.3613, 0.3798, 0.3864

Sweetspot

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



30.3625, 0.2449, 0.3119



66.1620, 0.2899, 0.3244



31.8629, 0.2998, 0.4704



14.5695, 0.2869, 0.3238



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.



30.3625, 0.2449, 0.3119



51.6957, 0.2346, 0.3077



18.1526, 0.2303, 0.2358



8.9106, 0.2986, 0.3263



18.9775, 0.2146, 0.2925



0.5719, 0.2179, 0.3045

Inverse Universe

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



17.7218, 0.3312, 0.2217



27.0815, 0.3360, 0.2030



27.0904, 0.4091, 0.4056



8.1318, 0.3155, 0.3092



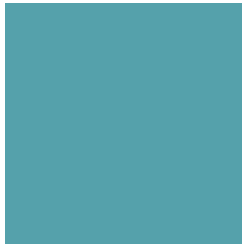
8.2188, 0.3521, 0.1713



0.2331, 0.3414, 0.1655

Previews

White Background



This preview shows how the Yxy color 30.3613, 0.2449, 0.3119 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 30.3613, 0.2449, 0.3119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

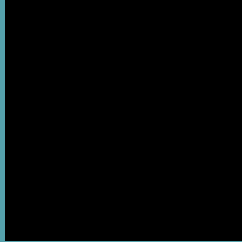
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3613, 0.2449, 0.3119

Background



This preview shows how black text looks on a background with the Yxy color 30.3613, 0.2449, 0.3119.



This preview shows how white text looks on a background with the Yxy color 30.3613, 0.2449, 0.3119.

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

30.3613, 0.2449, 0.3119

Protanopia

30.1201, 0.2988, 0.3060

Deuteranopia

29.8861, 0.2918, 0.2857



Tritanopia

30.5242, 0.2437, 0.3071

Trichromacy



Original Color

30.3613, 0.2449, 0.3119

Protanomaly

29.8956, 0.2754, 0.3080

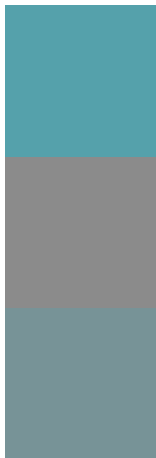
Deuteranomaly

29.6624, 0.2713, 0.2941

Tritanomaly

30.4853, 0.2443, 0.3087

Monochromacy



Original Color

30.3613, 0.2449, 0.3119

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 30.3613, 0.2449, 0.3119 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(85, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(85, 161, 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(85, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 161, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.3613, 0.2449, 0.3119 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(85, 161, 171) }
```

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

```
.border{ border-color:rgb(85, 161, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 161, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(85, 161,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3613, 0.2449, 0.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 161, 171) }
```

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

```
.background{ background-color: rgb(85, 161,  
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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