

Converting Colors

$Y_{xy}(36.0164, 0.2459, 0.3070)$

Have a look what the booklet for
Yxy(36.0164, 0.2459, 0.3070)
contains.

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Color

Yxy(36.0164, 0.2459, 0.3070)

Conversions

Conversions Part 1

Format	Color
Hex	61ADBB
RGB	97, 173, 187
RGB Percent	38%, 68%, 73%
CMY	0.6194, 0.3216, 0.2666
CMYK	0.48, 0.07, 0.00, 0.27
HSL	189°, 40%, 56%
HSV	189°, 48%, 73%
XYZ	28.8483, 36.0164, 52.4525
YIQ	151.8720, -49.7900, -11.7580

Conversions

Conversions Part 2

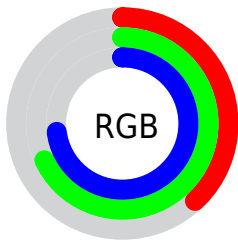
Format	Color
RYB	97, 138, 187
Decimal	6401467
CIELab	66.53, -19.72, -14.49
CIElCh	67, 24.472, 216.294
Yxy	36.0164, 0.2459, 0.3070
Android (android.graphics.Color)	4284591547 (0xFF61ADBB)
YUV	151.8720, 17.3181, -48.1227
Hunter-Lab	60.0137, -19.2197, -9.8105

Details

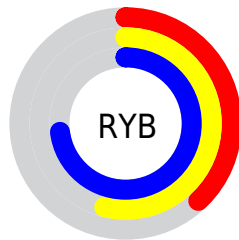
The Yxy color **36.0164, 0.2459, 0.3070** is a light color, and the websafe version is hex **669999**. A complement of this color would be **22.8166, 0.4335, 0.3489**, and the grayscale version is **31.2878, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.2820, 0.2585, 0.3124**, and **15.5662, 0.2259, 0.2975** is the 20% darker color. If you saturate the color by 10%, you get **34.0024, 0.2354, 0.3017**, and if you desaturate by 10%, it is **38.2998, 0.2579, 0.3122**.

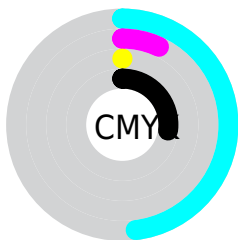
Distribution



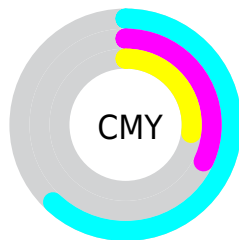
- Red (38%)
- Green (68%)
- Blue (73%)



- Red (38%)
- Yellow (54%)
- Blue (73%)



- Cyan (48%)
- Magenta (7%)
- Yellow (0%)
- Black (27%)





- Cyan (62%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0164, 0.2459, 0.3070 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 36.0164, 0.2459, 0.3070 by changing the saturation by 10% instead.


 36.0164, 0.2459,
0.3070


 36.0164, 0.2459,
0.3070

329.0322, 0.2799,
0.3192

 24.4469, 0.2373,
0.3035


 69.0574, 0.2584,
0.3117


 15.6654, 0.2262,
0.2989


 91.2976, 0.2630,
0.3134

 9.2877, 0.2113,
0.2922


 117.8635, 0.2669,
0.3148

 4.9293, 0.1905,
0.2821

 149.1395, 0.2703,
0.3160

 2.2059, 0.1599,
0.2651

185.5100, 0.2732,
0.3170

 0.7232, 0.0688,
0.2415

227.3593, 0.2757,

 0.0000, 0.0000,

0.3178

0.0000

275.0720, 0.2779,
0.3186

■ 36.0164, 0.2459,
0.3070

■ 36.0164, 0.2459,
0.3070

■ 34.0024, 0.2354,
0.3017

■ 38.2998, 0.2579,
0.3122

■ 32.2361, 0.2266,
0.2962

■ 40.8641, 0.2712,
0.3170

■ 30.6993, 0.2197,
0.2906

■ 43.7252, 0.2855,
0.3216

■ 29.3688, 0.2147,
0.2851

■ 46.8965, 0.3004,
0.3258

■ 28.2086, 0.2113,
0.2797

■ 50.3904, 0.3156,
0.3297

■ 27.9968, 0.2107,
0.2786

■ 54.2188, 0.3310,
0.3332

■ 58.3929, 0.3462,
0.3363

■ 62.9232, 0.3612,
0.3391

■ 65.7997, 0.3672,
0.3418

Harmonies

Analogous

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



36.0164, 0.2632, 0.3425



36.0164, 0.2459, 0.3070



36.0164, 0.2453, 0.2807

Triad

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



36.0164, 0.2459, 0.3070



36.0164, 0.3288, 0.2880



36.0164, 0.3644, 0.3922

Complementary

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



36.0164, 0.2459, 0.3070



22.8166, 0.4335, 0.3489

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.



36.0164, 0.3845, 0.3728



36.0164, 0.2459, 0.3070



36.0164, 0.3636, 0.3137

Square

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



36.0164, 0.2459, 0.3070



36.0164, 0.2912, 0.2718



36.0164, 0.3845, 0.3441



36.0164, 0.3310, 0.3945

Rectangle

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



36.0164, 0.2459, 0.3070



36.0164, 0.2542, 0.2711



36.0164, 0.3845, 0.3441



36.0164, 0.3730, 0.3873

Sweetspot

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



36.0178, 0.2459, 0.3070



80.4319, 0.2912, 0.3233



39.2291, 0.2974, 0.4566



17.4471, 0.2880, 0.3224



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.0178, 0.2459, 0.3070



60.6067, 0.2346, 0.3012



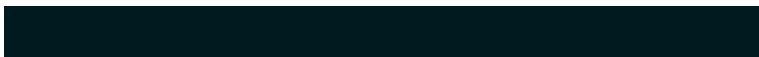
21.7132, 0.2321, 0.2323



10.5493, 0.2985, 0.3253



19.3731, 0.2109, 0.2793



0.8281, 0.2146, 0.2924

Inverse Universe

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



22.1434, 0.3347, 0.2293



33.5601, 0.3410, 0.2104



35.0500, 0.4018, 0.4086



9.6700, 0.3161, 0.3098



8.9854, 0.3641, 0.1780



0.3590, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 36.0164, 0.2459, 0.3070 looks on a white background.

Color Contrast Check

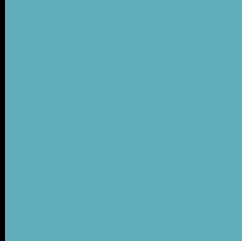
Large Text (above 18pt) WCAG AA × Fail

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 36.0164, 0.2459, 0.3070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

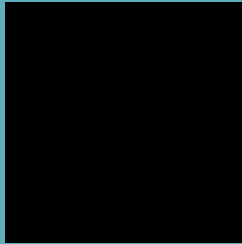
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0164, 0.2459, 0.3070

Background



This preview shows how black text looks on a background with the Yxy color 36.0164, 0.2459, 0.3070.



This preview shows how white text looks on a background with the Yxy color 36.0164, 0.2459, 0.3070.

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

36.0164, 0.2459, 0.3070

Protanopia

35.7672, 0.2955, 0.3019

Deuteranopia

35.5130, 0.2890, 0.2831



Tritanopia

36.0164, 0.2459, 0.3070

Trichromacy



Original Color

36.0164, 0.2459, 0.3070

Protanomaly

35.5219, 0.2740, 0.3036

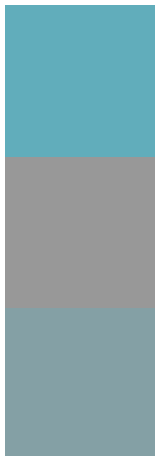
Deuteranomaly

35.2718, 0.2702, 0.2909

Tritanomaly

36.0164, 0.2459, 0.3070

Monochromacy



Original Color

36.0164, 0.2459, 0.3070

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.7638, 0.2830, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0164, 0.2459, 0.3070 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(97, 173, 187)` looks like.

```
.text, #text, p{  
    color:rgb(97, 173, 187)  
}
```

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(97, 173, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 173, 187) }
```

Border

The CSS property to change the border of an element to Yxy 36.0164, 0.2459, 0.3070 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(97, 173, 187) }
```

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

```
.border{ border-color:rgb(97, 173, 187) }
```

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

Here you see how a box with a 4 pixel rgb(97, 173, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 173, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 173, 187);  
box-shadow:4px 4px 4px 4px rgb(97, 173,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0164, 0.2459, 0.3070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 173, 187) }
```

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

```
.background{ background-color: rgb(97, 173,  
187) }
```

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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