

Converting Colors

$Yxy(36.0916, 0.2436, 0.3025)$

Have a look what the booklet for
Yxy(36.0916, 0.2436, 0.3025)
contains.

Yxy(36.0916, 0.2436, 0.3025)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.0916, 0.2436, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	60ADBE
RGB	96, 173, 190
RGB Percent	38%, 68%, 75%
CMY	0.6234, 0.3216, 0.2549
CMYK	0.49, 0.09, 0.00, 0.25
HSL	191°, 42%, 56%
HSV	191°, 49%, 75%
XYZ	29.0642, 36.0916, 54.1553
YIQ	151.9150, -51.3490, -11.0370

Conversions

Conversions Part 2

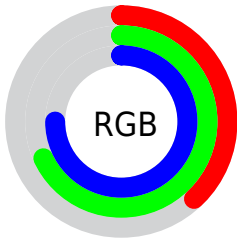
Format	Color
RYB	96, 138, 190
Decimal	6335934
CIELab	66.59, -19.14, -16.07
CIELCh	67, 24.985, 220.015
Yxy	36.0916, 0.2436, 0.3025
Android (android.graphics.Color)	4284526014 (0xFF60ADBE)
YUV	151.9150, 18.7759, -49.0375
Hunter-Lab	60.0763, -18.7774, -11.3931

Details

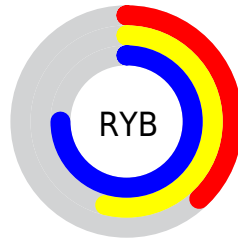
The Yxy color **36.0916, 0.2436, 0.3025** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.6122, 0.4370, 0.3526**, and the grayscale version is **31.2982, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3678, 0.2566, 0.3090**, and **15.5964, 0.2226, 0.2911** is the 20% darker color. If you saturate the color by 10%, you get **33.8815, 0.2330, 0.2962**, and if you desaturate by 10%, it is **38.5875, 0.2557, 0.3086**.

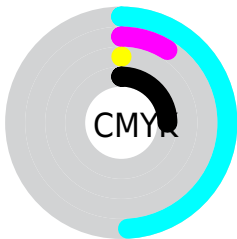
Distribution



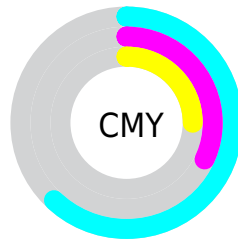
- Red (38%)
- Green (68%)
- Blue (75%)



- Red (38%)
- Yellow (54%)
- Blue (75%)



- Cyan (49%)
- Magenta (9%)
- Yellow (0%)
- Black (25%)





- Cyan (62%)
- Magenta (32%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.0916, 0.2436, 0.3025 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 36.0916, 0.2436, 0.3025 by changing the saturation by 10% instead.


 36.0916, 0.2436,
0.3025


 36.0916, 0.2436,
0.3025


329.3607, 0.2787,
0.3171

 24.5049, 0.2347,
0.2984


 69.1734, 0.2565,
0.3081


 15.7086, 0.2233,
0.2930


 91.4374, 0.2612,
0.3101

 9.3182, 0.2081,
0.2853


 118.0292, 0.2653,
0.3118

 4.9493, 0.1869,
0.2736

 149.3334, 0.2688,
0.3132

 2.2175, 0.1560,
0.2546

185.7342, 0.2718,
0.3144

 0.7295, 0.0702,
0.2264

227.6161, 0.2744,

 0.0000, 0.0000,

0.3154

0.0000

275.3635, 0.2767,
0.3163

■ 36.0916, 0.2436,
0.3025

■ 36.0916, 0.2436,
0.3025

■ 33.8815, 0.2330,
0.2962

■ 38.5875, 0.2557,
0.3086

■ 31.9345, 0.2241,
0.2897

■ 41.3818, 0.2691,
0.3143

■ 30.2310, 0.2171,
0.2832

■ 44.4911, 0.2834,
0.3197

■ 28.7464, 0.2120,
0.2767

■ 47.9294, 0.2983,
0.3247

■ 27.4352, 0.2085,
0.2703

■ 51.7102, 0.3135,
0.3292

■ 27.3669, 0.2083,
0.2700

■ 55.8457, 0.3288,
0.3333

■ 60.3478, 0.3440,
0.3370

■ 65.2277, 0.3588,
0.3402

■ 68.1415, 0.3636,
0.3436

Harmonies

Analogous

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



36.0916, 0.2592, 0.3380



36.0916, 0.2436, 0.3025



36.0916, 0.2451, 0.2774

Triad

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



36.0916, 0.2436, 0.3025



36.0916, 0.3339, 0.2900



36.0916, 0.3617, 0.3949

Complementary

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



36.0916, 0.2436, 0.3025



23.6122, 0.4370, 0.3526

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.



36.0916, 0.3844, 0.3767



36.0916, 0.2436, 0.3025



36.0916, 0.3683, 0.3171

Square

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



36.0916, 0.2436, 0.3025



36.0916, 0.2953, 0.2721



36.0916, 0.3872, 0.3481



36.0916, 0.3266, 0.3947

Rectangle

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



36.0916, 0.2436, 0.3025



36.0916, 0.2556, 0.2689



36.0916, 0.3872, 0.3481



36.0916, 0.3711, 0.3905

Sweetspot

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



36.0930, 0.2436, 0.3025



83.1692, 0.2896, 0.3219



40.4827, 0.2961, 0.4584



17.9764, 0.2865, 0.3208



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



36.0930, 0.2436, 0.3025



61.2058, 0.2325, 0.2959



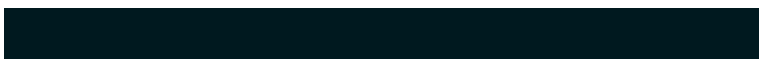
21.4767, 0.2291, 0.2262



10.5078, 0.2985, 0.3247



18.3000, 0.2086, 0.2708



0.7947, 0.2128, 0.2862

Inverse Universe

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



22.3360, 0.3384, 0.2293



34.4427, 0.3455, 0.2117



36.4807, 0.4037, 0.4126



9.6658, 0.3164, 0.3104



8.8771, 0.3721, 0.1823



0.3556, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 36.0916, 0.2436, 0.3025 looks on a white background.

Color Contrast Check

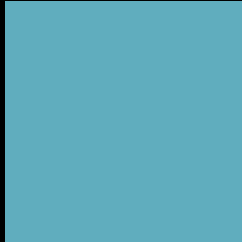
Large Text (above 18pt) WCAG AA × Fail

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 36.0916, 0.2436, 0.3025 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

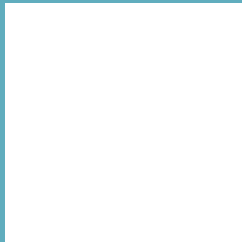
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.0916, 0.2436, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 36.0916, 0.2436, 0.3025.



This preview shows how white text looks on a background with the Yxy color 36.0916, 0.2436, 0.3025.

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

36.0916, 0.2436, 0.3025

Protanopia

35.7469, 0.2929, 0.2991

Deuteranopia

35.8810, 0.2858, 0.2806



Tritanopia

35.9079, 0.2448, 0.3070

Trichromacy



Original Color

36.0916, 0.2436, 0.3025

Protanomaly

35.5219, 0.2717, 0.3007

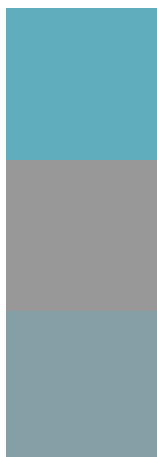
Deuteranomaly

35.3185, 0.2673, 0.2867

Tritanomaly

35.9509, 0.2442, 0.3055

Monochromacy



Original Color

36.0916, 0.2436, 0.3025

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.8003, 0.2822, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0916, 0.2436, 0.3025 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(96, 173, 190)` looks like.

```
.text, #text, p{  
    color:rgb(96, 173, 190)  
}
```

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(96, 173, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 173, 190) }
```

Border

The CSS property to change the border of an element to Yxy 36.0916, 0.2436, 0.3025 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(96, 173, 190) }
```

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

```
.border{ border-color:rgb(96, 173, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 173, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 173, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 173, 190);  
box-shadow:4px 4px 4px 4px rgb(96, 173,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0916, 0.2436, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 173, 190) }
```

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

```
.background{ background-color: rgb(96, 173,  
190) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor