

Converting Colors

$Y_{xy}(36.1693, 0.2642, 0.3114)$

Have a look what the booklet for
Yxy(36.1693, 0.2642, 0.3114)
contains.

Yxy(36.1506, 0.2642, 0.3121)	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(36.1506, 0.2642, 0.3121)

Conversions

Conversions Part 1

Format	Color
Hex	79AAB5
RGB	121, 170, 181
RGB Percent	47%, 67%, 71%
CMY	0.5254, 0.3333, 0.2902
CMYK	0.33, 0.06, 0.00, 0.29
HSL	191°, 29%, 59%
HSV	191°, 33%, 71%
XYZ	30.6023, 36.1506, 49.0772
YIQ	156.6030, -32.7350, -6.9670

Conversions

Conversions Part 2

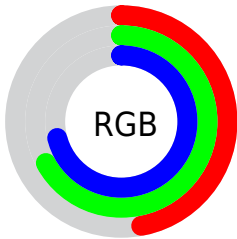
Format	Color
R _Y B	121, 148, 181
Decimal	7973557
CIE Lab	66.63, -13.49, -10.87
CIE LCh	67, 17.324, 218.867
Yxy	36.1506, 0.2642, 0.3121
Android (android.graphics.Color)	4286163637 (0xFF79AAB5)
YUV	156.6030, 12.0277, -31.2238
Hunter-Lab	60.1254, -14.3673, -6.3076

Details

The Yxy color **36.1506, 0.2642, 0.3121** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.7127, 0.3831, 0.3451**, and the grayscale version is **33.4883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0788, 0.2731, 0.3150**, and **15.7806, 0.2496, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **33.7358, 0.2513, 0.3062**, and if you desaturate by 10%, it is **38.8450, 0.2782, 0.3177**.

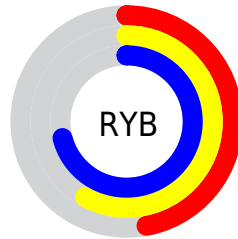
Distribution



Red (47%)

Green (67%)

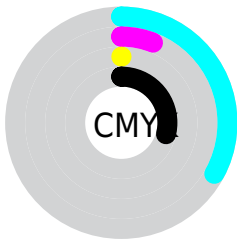
Blue (71%)



Red (47%)

Yellow (58%)

Blue (71%)

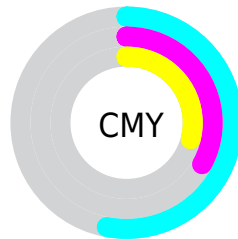


Cyan (33%)

Magenta (6%)

Yellow (0%)

Black (29%)



Cyan (53%)


Magenta (33%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1506, 0.2642, 0.3121 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 36.1506, 0.2642, 0.3121 by changing the saturation by 10% instead.

 36.1506, 0.2642,
0.3121


 36.1506, 0.2642,
0.3121


329.6183, 0.2891,
0.3213

 24.5505, 0.2578,
0.3095


 69.2644, 0.2734,
0.3156

 15.7425, 0.2495,
0.3061


 91.5470, 0.2768,
0.3169

 9.3421, 0.2382,
0.3012


 118.1592, 0.2797,
0.3180

 4.9650, 0.2222,
0.2939

149.4854, 0.2821,
0.3188

 2.2267, 0.1977,
0.2815

185.9100, 0.2842,
0.3196

 0.7345, 0.1320,
0.2629

227.8175, 0.2860,

 0.0000, 0.0000,

0.3202

0.0000

275.5921, 0.2877,
0.3208

■ 36.1506, 0.2642,
0.3121

■ 36.1506, 0.2642,
0.3121

■ 33.7358, 0.2513,
0.3062

■ 38.8450, 0.2782,
0.3177

■ 31.5824, 0.2396,
0.2999

■ 41.8276, 0.2928,
0.3229

■ 29.6764, 0.2296,
0.2935

■ 45.1119, 0.3079,
0.3276

■ 28.0008, 0.2214,
0.2870

■ 48.7092, 0.3232,
0.3319

■ 26.5358, 0.2150,
0.2804

■ 52.6301, 0.3384,
0.3358

■ 25.2581, 0.2105,
0.2738

■ 56.8849, 0.3533,
0.3392

■ 24.4559, 0.2082,
0.2694

■ 61.4831, 0.3678,
0.3422

■ 64.3233, 0.3729,
0.3454

■ 65.8425, 0.3719,
0.3488

Harmonies

Analogous

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



36.1506, 0.2760, 0.3366



36.1506, 0.2642, 0.3121



36.1506, 0.2648, 0.2937

Triad

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



36.1506, 0.2642, 0.3121



36.1506, 0.3266, 0.3008



36.1506, 0.3479, 0.3744

Complementary

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



36.1506, 0.2642, 0.3121



27.7127, 0.3831, 0.3451

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.



36.1506, 0.3628, 0.3623



36.1506, 0.2642, 0.3121



36.1506, 0.3504, 0.3202

Square

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



36.1506, 0.2642, 0.3121



36.1506, 0.2999, 0.2883



36.1506, 0.3638, 0.3424



36.1506, 0.3239, 0.3740

Rectangle

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



36.1506, 0.2642, 0.3121



36.1506, 0.2720, 0.2870



36.1506, 0.3638, 0.3424



36.1506, 0.3542, 0.3716

Sweetspot

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



36.1520, 0.2642, 0.3121



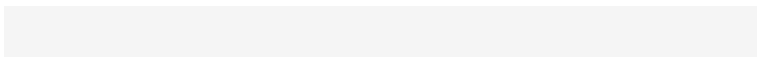
76.6046, 0.2973, 0.3243



38.7788, 0.3003, 0.4075



16.3858, 0.2952, 0.3236



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



36.1520, 0.2642, 0.3121



61.4460, 0.2543, 0.3077



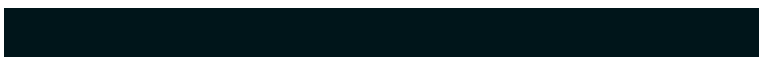
26.1639, 0.2582, 0.2638



9.3613, 0.2986, 0.3247



16.9538, 0.2084, 0.2702



0.6023, 0.2134, 0.2883

Inverse Universe

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



26.4066, 0.3284, 0.2616



41.6035, 0.3329, 0.2465



37.0465, 0.3696, 0.3865



8.6195, 0.3165, 0.3106



8.2516, 0.3727, 0.1827



0.2666, 0.3559, 0.1734

Previews

White Background



This preview shows how the Yxy color 36.1506, 0.2642, 0.3121 looks on a white background.

Color Contrast Check

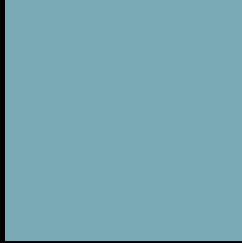
Large Text (above 18pt) WCAG AA × Fail

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 36.1506, 0.2642, 0.3121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

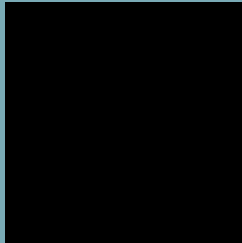
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1506, 0.2642, 0.3121

Background



This preview shows how black text looks on a background with the Yxy color 36.1506, 0.2642, 0.3121.



This preview shows how white text looks on a background with the Yxy color 36.1506, 0.2642, 0.3121.

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

36.1506, 0.2642, 0.3121

Protanopia

35.7103, 0.2997, 0.3075

Deuteranopia

35.7901, 0.2985, 0.2915



Tritanopia

36.3059, 0.2635, 0.3092

Trichromacy



Original Color

36.1506, 0.2642, 0.3121

Protanomaly

35.8362, 0.2859, 0.3098

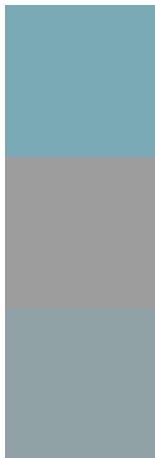
Deuteranomaly

35.7436, 0.2844, 0.2986

Tritanomaly

36.2644, 0.2642, 0.3106

Monochromacy



Original Color

36.1506, 0.2642, 0.3121

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

34.5231, 0.2928, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1506, 0.2642, 0.3121 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(121, 170, 181)` looks like.

```
.text, #text, p{  
    color:rgb(121, 170, 181)  
}
```

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(121, 170, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 170, 181) }
```

Border

The CSS property to change the border of an element to Yxy 36.1506, 0.2642, 0.3121 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(121, 170, 181) }
```

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

```
.border{ border-color:rgb(121, 170, 181) }
```

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

Here you see how a box with a 4 pixel rgb(121, 170, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 170, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 170, 181);  
box-shadow:4px 4px 4px 4px rgb(121, 170,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1506, 0.2642, 0.3121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 170, 181) }
```

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

```
.background{ background-color: rgb(121,  
170, 181) }
```

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