

Converting Colors

$Y_{xy}(36.3629, 0.2562, 0.3140)$

Have a look what the booklet for
Yxy(36.3629, 0.2562, 0.3140)
contains.

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Color

Yxy(36.5157, 0.2561, 0.3149)

Conversions

Conversions Part 1

Format	Color
Hex	6DADB6
RGB	109, 173, 182
RGB Percent	43%, 68%, 71%
CMY	0.5724, 0.3216, 0.2862
CMYK	0.40, 0.05, 0.00, 0.29
HSL	187°, 33%, 57%
HSV	187°, 40%, 71%
XYZ	29.6973, 36.5157, 49.7467
YIQ	154.8900, -41.0330, -10.7690

Conversions

Conversions Part 2

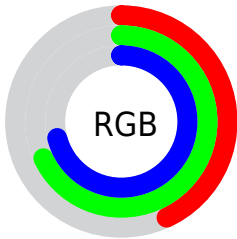
Format	Color
R _Y B	109, 143, 182
Decimal	7187894
CIE Lab	66.91, -18.10, -11.09
CIE LCh	67, 21.223, 211.495
Yxy	36.5157, 0.2561, 0.3149
Android (android.graphics.Color)	4285377974 (0xFF6DADB6)
YUV	154.8900, 13.3652, -40.2455
Hunter-Lab	60.4282, -18.0261, -6.5099

Details

The Yxy color **36.5157, 0.2561, 0.3149** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.0198, 0.4067, 0.3423**, and the grayscale version is **32.6842, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1042, 0.2669, 0.3184**, and **15.8301, 0.2391, 0.3088** is the 20% darker color. If you saturate the color by 10%, you get **34.6242, 0.2447, 0.3108**, and if you desaturate by 10%, it is **38.6636, 0.2689, 0.3188**.

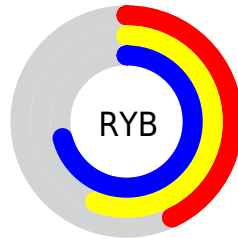
Distribution



Red (43%)

Green (68%)

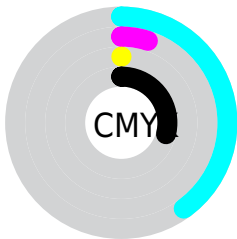
Blue (71%)



Red (43%)

Yellow (56%)

Blue (71%)

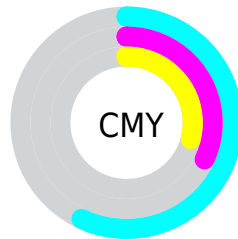


Cyan (40%)

Magenta (5%)

Yellow (0%)

Black (29%)



Cyan (57%)


Magenta (32%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5157, 0.2561, 0.3149 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 36.5157, 0.2561, 0.3149 by changing the saturation by 10% instead.


 36.5157, 0.2561,
0.3149


 36.5157, 0.2561,
0.3149


331.2090, 0.2850,
0.3228


 24.8327, 0.2487,
0.3126


 69.8273, 0.2667,
0.3180


 15.9525, 0.2392,
0.3095


 92.2247, 0.2707,
0.3191

 9.4905, 0.2263,
0.3051


 118.9624, 0.2740,
0.3200

 5.0625, 0.2081,
0.2982

 150.4248, 0.2769,
0.3207

 2.2840, 0.1808,
0.2864

186.9963, 0.2793,
0.3214

 0.7652, 0.1015,
0.2720

229.0612, 0.2815,

 0.0000, 0.0000,

0.3219

0.0000

277.0040, 0.2833,
0.3224

■ 36.5157, 0.2561,
0.3149

■ 36.5157, 0.2561,
0.3149

■ 34.6242, 0.2447,
0.3108

■ 38.6636, 0.2689,
0.3188

■ 32.9698, 0.2349,
0.3066

■ 41.0774, 0.2827,
0.3225

■ 31.5375, 0.2269,
0.3023

■ 43.7709, 0.2974,
0.3259

■ 30.3084, 0.2208,
0.2980

■ 46.7562, 0.3126,
0.3290

■ 29.2602, 0.2166,
0.2938

■ 50.0442, 0.3280,
0.3318

■ 28.3554, 0.2138,
0.2896

■ 53.6454, 0.3434,
0.3343

■ 57.5698, 0.3585,
0.3366

■ 61.8270, 0.3734,
0.3386

■ 62.8834, 0.3730,
0.3409

Harmonies

Analogous

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



36.5157, 0.2735, 0.3457



36.5157, 0.2561, 0.3149



36.5157, 0.2531, 0.2903

Triad

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



36.5157, 0.2561, 0.3149



36.5157, 0.3215, 0.2903



36.5157, 0.3613, 0.3819

Complementary

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



36.5157, 0.2561, 0.3149



24.0198, 0.4067, 0.3423

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.



36.5157, 0.3759, 0.3637



36.5157, 0.2561, 0.3149



36.5157, 0.3524, 0.3119

Square

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



36.5157, 0.2561, 0.3149



36.5157, 0.2895, 0.2779



36.5157, 0.3728, 0.3382



36.5157, 0.3338, 0.3861

Rectangle

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



36.5157, 0.2561, 0.3149



36.5157, 0.2594, 0.2803



36.5157, 0.3728, 0.3382



36.5157, 0.3679, 0.3771

Sweetspot

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



36.5171, 0.2561, 0.3149



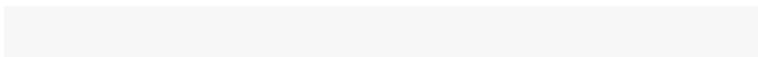
78.2709, 0.2943, 0.3252



38.0125, 0.3013, 0.4357



17.1445, 0.2923, 0.3247



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



36.5171, 0.2561, 0.3149



63.1783, 0.2461, 0.3114



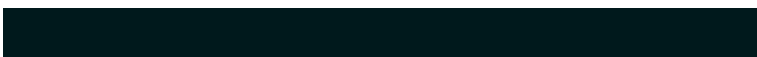
24.5245, 0.2470, 0.2555



10.0161, 0.2985, 0.3261



20.0865, 0.2139, 0.2901



0.7617, 0.2170, 0.3010

Inverse Universe

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



23.9075, 0.3275, 0.2423



37.6076, 0.3314, 0.2249



34.1753, 0.3860, 0.3924



9.1431, 0.3156, 0.3092



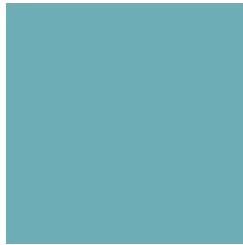
8.8101, 0.3543, 0.1725



0.3160, 0.3445, 0.1672

Previews

White Background



This preview shows how the Yxy color 36.5157, 0.2561, 0.3149 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 36.5157, 0.2561, 0.3149 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

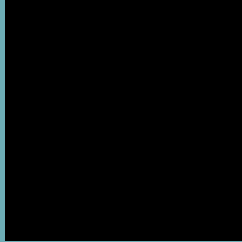
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

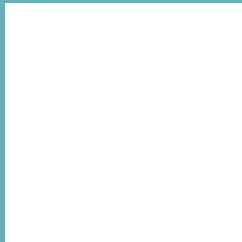
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.5157, 0.2561, 0.3149

Background



This preview shows how black text looks on a background with the Yxy color 36.5157, 0.2561, 0.3149.



This preview shows how white text looks on a background with the Yxy color 36.5157, 0.2561, 0.3149.

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

36.5157, 0.2561, 0.3149

Protanopia

36.1620, 0.3006, 0.3090

Deuteranopia

36.1720, 0.2977, 0.2916



Tritanopia

36.3652, 0.2540, 0.3074

Trichromacy



Original Color

36.5157, 0.2561, 0.3149

Protanomaly

35.8754, 0.2818, 0.3097

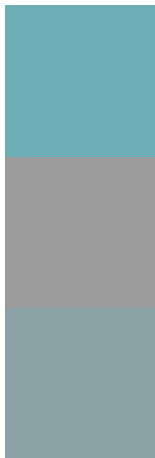
Deuteranomaly

35.7661, 0.2804, 0.2984

Tritanomaly

36.3228, 0.2546, 0.3089

Monochromacy



Original Color

36.5157, 0.2561, 0.3149

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.9605, 0.2883, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5157, 0.2561, 0.3149 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(109, 173, 182)` looks like.

```
.text, #text, p{  
    color:rgb(109, 173, 182)  
}
```

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(109, 173, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 173, 182) }
```

Border

The CSS property to change the border of an element to Yxy 36.5157, 0.2561, 0.3149 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(109, 173, 182) }
```

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

```
.border{ border-color:rgb(109, 173, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 173, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 173, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 173, 182);  
box-shadow:4px 4px 4px 4px rgb(109, 173,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5157, 0.2561, 0.3149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 173, 182) }
```

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

```
.background{ background-color: rgb(109,  
173, 182) }
```

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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