

Converting Colors

$Y_{xy}(35.4740, 0.2635, 0.3371)$

Have a look what the booklet for
Yxy(35.4740, 0.2635, 0.3371)
contains.

Yxy(35.3592, 0.2636, 0.3369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3592, 0.2636, 0.3369)

Conversions

Conversions Part 1

Format	Color
Hex	6AACA7
RGB	106, 172, 167
RGB Percent	42%, 67%, 65%
CMY	0.5846, 0.3254, 0.3451
CMYK	0.38, 0.00, 0.03, 0.33
HSL	175°, 28%, 54%
HSV	175°, 38%, 67%
XYZ	27.6660, 35.3592, 41.9294
YIQ	151.6960, -37.7310, -15.5470

Conversions

Conversions Part 2

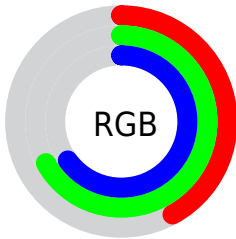
Format	Color
RYB	106, 140, 172
Decimal	6991015
CIELab	66.03, -22.20, -4.08
CIELCh	66, 22.573, 190.413
Yxy	35.3592, 0.2636, 0.3369
Android (android.graphics.Color)	4285181095 (0xFF6AACA7)
YUV	151.6960, 7.5449, -40.0754
Hunter-Lab	59.4636, -21.0124, -0.1824

Details

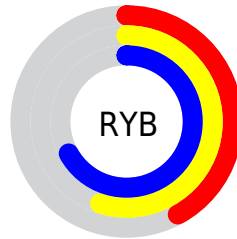
The Yxy color **35.3592, 0.2636, 0.3369** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.2134, 0.3983, 0.3216**, and the grayscale version is **31.2354, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.2343, 0.2730, 0.3361**, and **15.1883, 0.2485, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **34.3631, 0.2538, 0.3393**, and if you desaturate by 10%, it is **36.5699, 0.2749, 0.3346**.

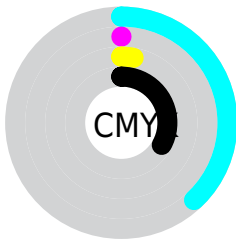
Distribution



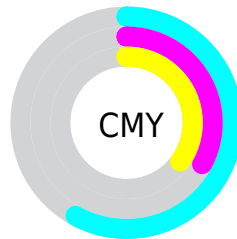
- Red (42%)
- Green (67%)
- Blue (65%)



- Red (42%)
- Yellow (55%)
- Blue (67%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (33%)





- Cyan (58%)
- Magenta (33%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3592, 0.2636, 0.3369 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 35.3592, 0.2636, 0.3369 by changing the saturation by 10% instead.


 35.3592, 0.2636,
0.3369


 35.3592, 0.2636,
0.3369


326.1510, 0.2890,
0.3331


 23.9397, 0.2570,
0.3378


 68.0419, 0.2730,
0.3356


 15.2889, 0.2483,
0.3389


 90.0738, 0.2765,
0.3351

 9.0224, 0.2365,
0.3402

 116.4120, 0.2794,
0.3346

 4.7558, 0.2195,
0.3418

 147.4409, 0.2819,
0.3342

 2.1047, 0.1930,
0.3436

183.5448, 0.2841,
0.3339

 0.6673, 0.0521,
0.3765

225.1082, 0.2859,

 0.0000, 0.0000,

0.3336

0.0000

272.5155, 0.2876,
0.3333

■ 35.3592, 0.2636,
0.3369

■ 35.3592, 0.2636,
0.3369

■ 34.3631, 0.2538,
0.3393

■ 36.5699, 0.2749,
0.3346

■ 33.5648, 0.2457,
0.3418

■ 38.0026, 0.2874,
0.3325

■ 32.9514, 0.2394,
0.3443


■ 39.6697, 0.3009,
0.3305


■ 32.5072, 0.2350,
0.3468


■ 41.5811, 0.3150,
0.3287


■ 32.2134, 0.2324,
0.3493

■ 43.7464, 0.3295,
0.3271


 32.0375, 0.2313,
0.3518

 46.1746, 0.3442,
0.3256

 32.0127, 0.2312,
0.3522

 48.8743, 0.3589,
0.3244

 51.8537, 0.3733,
0.3233

 54.0140, 0.3823,
0.3221

Harmonies

Analogous

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



35.3592, 0.2909, 0.3687



35.3592, 0.2636, 0.3369



35.3592, 0.2494, 0.3047

Triad

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



35.3592, 0.2636, 0.3369



35.3592, 0.2974, 0.2771



35.3592, 0.3778, 0.3731

Complementary

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



35.3592, 0.2636, 0.3369



20.2134, 0.3983, 0.3216

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.



35.3592, 0.3805, 0.3472



35.3592, 0.2636, 0.3369



35.3592, 0.3325, 0.2936

Square

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



35.3592, 0.2636, 0.3369



35.3592, 0.2680, 0.2725



35.3592, 0.3636, 0.3186



35.3592, 0.3571, 0.3891

Rectangle

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



35.3592, 0.2636, 0.3369



35.3592, 0.2487, 0.2881



35.3592, 0.3636, 0.3186



35.3592, 0.3809, 0.3651

Sweetspot

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



35.3606, 0.2636, 0.3369



70.7540, 0.2956, 0.3313



33.9576, 0.3119, 0.4420



15.2940, 0.2940, 0.3315



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.



35.3606, 0.2636, 0.3369



62.5922, 0.2553, 0.3389



26.1318, 0.2536, 0.2828



9.0615, 0.2996, 0.3307



23.8223, 0.2311, 0.3520



0.6657, 0.2290, 0.3443

Inverse Universe

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



20.2134, 0.3983, 0.3216



31.2137, 0.4276, 0.3202



26.7149, 0.3894, 0.3706



8.0248, 0.3275, 0.3273



6.5519, 0.6299, 0.3244



0.1854, 0.5894, 0.3020

Previews

White Background



This preview shows how the Yxy color 35.3592, 0.2636, 0.3369 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 35.3592, 0.2636, 0.3369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

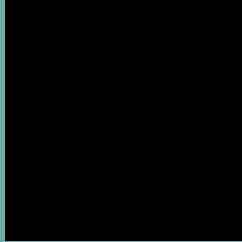
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3592, 0.2636, 0.3369

Background



This preview shows how black text looks on a background with the Yxy color 35.3592, 0.2636, 0.3369.

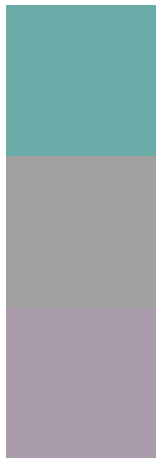


This preview shows how white text looks on a background with the Yxy color 35.3592, 0.2636, 0.3369.

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

35.3592, 0.2636, 0.3369

Protanopia

34.9809, 0.3156, 0.3290

Deuteranopia

34.9290, 0.3128, 0.3065



Tritanopia

35.4833, 0.2554, 0.3087

Trichromacy



Original Color

35.3592, 0.2636, 0.3369

Protanomaly

34.9103, 0.2944, 0.3320

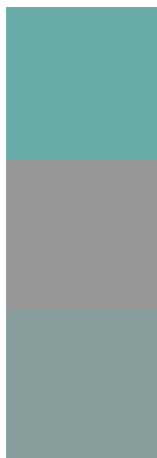
Deuteranomaly

34.5951, 0.2921, 0.3155

Tritanomaly

35.5514, 0.2588, 0.3194

Monochromacy



Original Color

35.3592, 0.2636, 0.3369

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

32.3815, 0.2920, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3592, 0.2636, 0.3369 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(106, 172, 167)` looks like.

```
.text, #text, p{  
    color:rgb(106, 172, 167)  
}
```

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(106, 172, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 172, 167) }
```

Border

The CSS property to change the border of an element to Yxy 35.3592, 0.2636, 0.3369 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(106, 172, 167) }
```

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

```
.border{ border-color:rgb(106, 172, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 172, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 172, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 172, 167);  
box-shadow:4px 4px 4px 4px rgb(106, 172,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3592, 0.2636, 0.3369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 172, 167) }
```

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

```
.background{ background-color: rgb(106,  
172, 167) }
```

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