

Converting Colors

$Yxy(36.5691, 0.2738, 0.3650)$

Have a look what the booklet for
Yxy(36.5691, 0.2738, 0.3650)
contains.

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Color

Yxy(36.5096, 0.2739, 0.3647)

Conversions

Conversions Part 1

Format	Color
Hex	6BB09A
RGB	107, 176, 154
RGB Percent	42%, 69%, 60%
CMY	0.5805, 0.3098, 0.3960
CMYK	0.39, 0.00, 0.12, 0.31
HSL	161°, 30%, 55%
HSV	161°, 39%, 69%
XYZ	27.4197, 36.5096, 36.1792
YIQ	152.8610, -34.0620, -21.4700

Conversions

Conversions Part 2

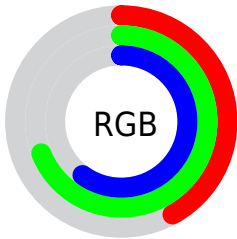
Format	Color
RYB	107, 148, 176
Decimal	7057562
CIELab	66.91, -26.98, 4.42
CIElCh	67, 27.341, 170.700
Yxy	36.5096, 0.2739, 0.3647
Android (android.graphics.Color)	4285247642 (0xFF6BB09A)
YUV	152.8610, 0.5615, -40.2201
Hunter-Lab	60.4232, -24.7381, 6.7955

Details

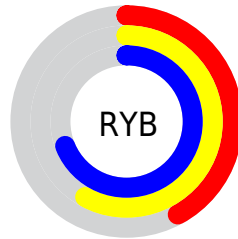
The Yxy color **36.5096, 0.2739, 0.3647** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.3248, 0.3773, 0.2966**, and the grayscale version is **31.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.8444, 0.2817, 0.3581**, and **15.9295, 0.2613, 0.3765** is the 20% darker color. If you saturate the color by 10%, you get **35.3467, 0.2663, 0.3757**, and if you desaturate by 10%, it is **37.9062, 0.2827, 0.3544**.

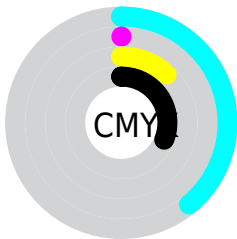
Distribution



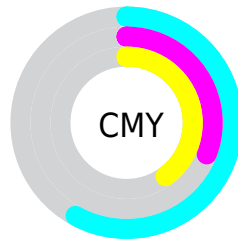
- Red (42%)
- Green (69%)
- Blue (60%)



- Red (42%)
- Yellow (58%)
- Blue (69%)



- Cyan (39%)
- Magenta (0%)
- Yellow (12%)
- Black (31%)





- Cyan (58%)
- Magenta (31%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.5096, 0.2739, 0.3647 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 36.5096, 0.2739, 0.3647 by changing the saturation by 10% instead.


 36.5096, 0.2739,
0.3647


 36.5096, 0.2739,
0.3647


331.1825, 0.2942,
0.3458

 24.8280, 0.2685,
0.3698


 69.8179, 0.2815,
0.3575

 15.9490, 0.2614,
0.3766


 92.2134, 0.2843,
0.3549

 9.4881, 0.2516,
0.3862


 118.9490, 0.2866,
0.3528

 5.0609, 0.2371,
0.4004

 150.4091, 0.2886,
0.3509

 2.2830, 0.2140,
0.4240

186.9781, 0.2903,
0.3494

 0.7647, 0.0502,
0.5637

229.0404, 0.2918,

 0.0000, 0.0000,

0.3480

0.0000

276.9804, 0.2931,
0.3468

■ 36.5096, 0.2739,
0.3647

■ 36.5096, 0.2739,
0.3647

■ 35.3467, 0.2663,
0.3757

■ 37.9062, 0.2827,
0.3544

■ 34.3994, 0.2603,
0.3872

■ 39.5446, 0.2924,
0.3449

■ 33.6541, 0.2560,
0.3990

■ 41.4378, 0.3028,
0.3363


■ 33.0934, 0.2536,
0.4111

■ 43.5969, 0.3136,
0.3284


■ 32.6973, 0.2531,
0.4232

■ 46.0318, 0.3245,
0.3214

 32.4273, 0.2543,
0.4351

 48.7525, 0.3354,
0.3151

 32.4079, 0.2545,
0.4360

 51.7679, 0.3461,
0.3096

 55.0870, 0.3566,
0.3048

 56.6961, 0.3579,
0.2996

Harmonies

Analogous

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



36.5096, 0.3128, 0.3952



36.5096, 0.2739, 0.3647



36.5096, 0.2465, 0.3241

Triad

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



36.5096, 0.2739, 0.3647



36.5096, 0.2700, 0.2622



36.5096, 0.3956, 0.3612

Complementary

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



36.5096, 0.2739, 0.3647



21.3248, 0.3773, 0.2966

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.



36.5096, 0.3832, 0.3276



36.5096, 0.2739, 0.3647



36.5096, 0.3083, 0.2729

Square

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



36.5096, 0.2739, 0.3647



36.5096, 0.2445, 0.2670



36.5096, 0.3503, 0.2963



36.5096, 0.3841, 0.3895

Rectangle

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



36.5096, 0.2739, 0.3647



36.5096, 0.2376, 0.2991



36.5096, 0.3503, 0.2963



36.5096, 0.3942, 0.3502

Sweetspot

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



36.5111, 0.2739, 0.3647



74.0726, 0.2997, 0.3388



36.8589, 0.3267, 0.4398



15.9573, 0.2983, 0.3398



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



36.5111, 0.2739, 0.3647



64.3730, 0.2673, 0.3741



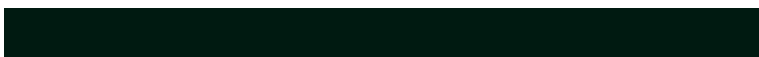
32.9897, 0.2566, 0.3105



9.5846, 0.3027, 0.3364



23.7872, 0.2541, 0.4348



0.7585, 0.2449, 0.4015

Inverse Universe

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



21.3248, 0.3773, 0.2966



32.9702, 0.3989, 0.2898



23.3618, 0.4017, 0.3464



8.5484, 0.3239, 0.3218



6.9919, 0.5659, 0.2891



0.2309, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 36.5096, 0.2739, 0.3647 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 36.5096, 0.2739, 0.3647 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 36.5096, 0.2739, 0.3647

Background



This preview shows how black text looks on a background with the Yxy color 36.5096, 0.2739, 0.3647.

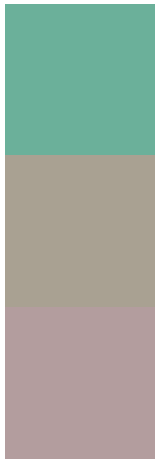


This preview shows how white text looks on a background with the Yxy color 36.5096, 0.2739, 0.3647.

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

36.5096, 0.2739, 0.3647

Protanopia

36.0001, 0.3342, 0.3508

Deuteranopia

36.1663, 0.3336, 0.3277



Tritanopia

36.6527, 0.2579, 0.3091

Trichromacy



Original Color

36.5096, 0.2739, 0.3647

Protanomaly

35.5534, 0.3087, 0.3551

Deuteranomaly

35.7575, 0.3085, 0.3394

Tritanomaly

36.3879, 0.2632, 0.3273

Monochromacy



Original Color

36.5096, 0.2739, 0.3647

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

33.0239, 0.2963, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.5096, 0.2739, 0.3647 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(107, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(107, 176, 154)  
}
```

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(107, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 176, 154) }
```

Border

The CSS property to change the border of an element to Yxy 36.5096, 0.2739, 0.3647 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(107, 176, 154) }
```

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

```
.border{ border-color:rgb(107, 176, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(107, 176,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 36.5096, 0.2739, 0.3647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 176, 154) }
```

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

```
.background{ background-color: rgb(107,  
176, 154) }
```

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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