

Converting Colors

Yxy(34.5656, 0.2693, 0.3610)

Have a look what the booklet for
Yxy(34.5656, 0.2693, 0.3610)
contains.

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Color

Yxy(34.5143, 0.2691, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	64AC99
RGB	100, 172, 153
RGB Percent	39%, 67%, 60%
CMY	0.6079, 0.3255, 0.4000
CMYK	0.42, 0.00, 0.11, 0.33
HSL	164°, 30%, 53%
HSV	164°, 42%, 67%
XYZ	25.7565, 34.5143, 35.4427
YIQ	148.3060, -36.8130, -21.1730

Conversions

Conversions Part 2

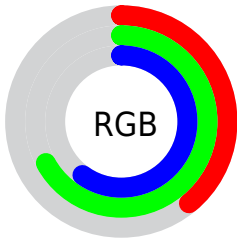
Format	Color
RYB	100, 141, 172
Decimal	6597785
CIELab	65.37, -27.17, 2.71
CIELCh	65, 27.304, 174.300
Yxy	34.5143, 0.2691, 0.3606
Android (android.graphics.Color)	4284787865 (0xFF64AC99)
YUV	148.3060, 2.3141, -42.3644
Hunter-Lab	58.7489, -24.5531, 5.3550

Details

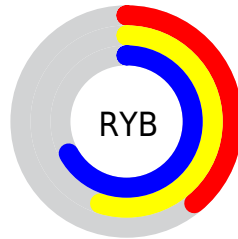
The Yxy color **34.5143, 0.2691, 0.3606** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.2141, 0.3893, 0.3004**, and the grayscale version is **29.7496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.8618, 0.2778, 0.3549**, and **14.7338, 0.2547, 0.3708** is the 20% darker color. If you saturate the color by 10%, you get **33.4893, 0.2614, 0.3696**, and if you desaturate by 10%, it is **35.7548, 0.2781, 0.3521**.

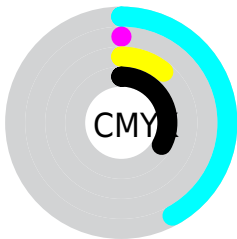
Distribution



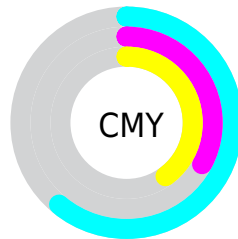
- Red (39%)
- Green (67%)
- Blue (60%)



- Red (39%)
- Yellow (55%)
- Blue (67%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (33%)





- Cyan (61%)
- Magenta (33%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5143, 0.2691, 0.3606 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 34.5143, 0.2691, 0.3606 by changing the saturation by 10% instead.


 34.5143, 0.2691,
0.3606


 34.5143, 0.2691,
0.3606


322.4193, 0.2920,
0.3438

 23.2890, 0.2630,
0.3651


 66.7327, 0.2777,
0.3542

 14.8070, 0.2549,
0.3712


 88.4945, 0.2809,
0.3519

 8.6841, 0.2437,
0.3797


 114.5372, 0.2835,
0.3500

 4.5357, 0.2272,
0.3924

 145.2454, 0.2857,
0.3484

 1.9775, 0.2005,
0.4136

181.0032, 0.2876,
0.3470

 0.5944, 0.0000,
0.5650

222.1952, 0.2893,

 0.0000, 0.0000,

0.3458

0.0000

269.2058, 0.2908,
0.3447

■ 34.5143, 0.2691,
0.3606

■ 34.5143, 0.2691,
0.3606

■ 33.4893, 0.2614,
0.3696

■ 35.7548, 0.2781,
0.3521

■ 32.6625, 0.2553,
0.3791

■ 37.2187, 0.2882,
0.3441

■ 32.0205, 0.2511,
0.3888


■ 38.9186, 0.2991,
0.3368

■ 31.5465, 0.2487,
0.3986

■ 40.8648, 0.3105,
0.3302

■ 31.2206, 0.2483,
0.4083


■ 43.0672, 0.3222,
0.3242

 31.0298, 0.2490,
0.4162

 45.5348, 0.3340,
0.3189

 48.2765, 0.3456,
0.3141

 51.3007, 0.3571,
0.3100

 54.6154, 0.3682,
0.3063

Harmonies

Analogous

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



34.5143, 0.3077, 0.3937



34.5143, 0.2691, 0.3606



34.5143, 0.2432, 0.3191

Triad

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



34.5143, 0.2691, 0.3606



34.5143, 0.2734, 0.2617



34.5143, 0.3969, 0.3655

Complementary

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



34.5143, 0.2691, 0.3606



19.2141, 0.3893, 0.3004

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.



34.5143, 0.3872, 0.3317



34.5143, 0.2691, 0.3606



34.5143, 0.3133, 0.2743

Square

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



34.5143, 0.2691, 0.3606



34.5143, 0.2456, 0.2645



34.5143, 0.3557, 0.2992



34.5143, 0.3824, 0.3932

Rectangle

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



34.5143, 0.2691, 0.3606



34.5143, 0.2356, 0.2944



34.5143, 0.3557, 0.2992



34.5143, 0.3965, 0.3545

Sweetspot

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



34.5157, 0.2691, 0.3606



70.1534, 0.2976, 0.3378



34.3624, 0.3230, 0.4496



15.0967, 0.2952, 0.3393



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.



34.5157, 0.2691, 0.3606



60.9155, 0.2621, 0.3687



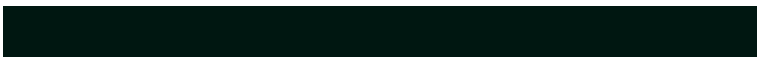
29.1967, 0.2520, 0.3009



9.0355, 0.3020, 0.3351



23.0989, 0.2487, 0.4152



0.6510, 0.2405, 0.3859

Inverse Universe

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



19.2141, 0.3893, 0.3004



29.4908, 0.4153, 0.2947



22.3645, 0.4069, 0.3548



8.0488, 0.3246, 0.3230



6.6779, 0.5847, 0.2995



0.1948, 0.4996, 0.2526

Previews

White Background



This preview shows how the Yxy color 34.5143, 0.2691, 0.3606 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 34.5143, 0.2691, 0.3606 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 34.5143, 0.2691, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 34.5143, 0.2691, 0.3606.



This preview shows how white text looks on a background with the Yxy color 34.5143, 0.2691, 0.3606.

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

34.5143, 0.2691, 0.3606

Protanopia

34.0508, 0.3308, 0.3468

Deuteranopia

34.1010, 0.3291, 0.3233



Tritanopia

34.4673, 0.2542, 0.3084

Trichromacy



Original Color

34.5143, 0.2691, 0.3606

Protanomaly

33.6415, 0.3051, 0.3509

Deuteranomaly

33.6529, 0.3030, 0.3351

Tritanomaly

34.2593, 0.2590, 0.3256

Monochromacy



Original Color

34.5143, 0.2691, 0.3606

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.1412, 0.2942, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5143, 0.2691, 0.3606 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(100, 172, 153)` looks like.

```
.text, #text, p{  
    color:rgb(100, 172, 153)  
}
```

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(100, 172, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 172, 153) }
```

Border

The CSS property to change the border of an element to Yxy 34.5143, 0.2691, 0.3606 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(100, 172, 153) }
```

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

```
.border{ border-color:rgb(100, 172, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 172, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 172, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 172, 153);  
box-shadow:4px 4px 4px 4px rgb(100, 172,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5143, 0.2691, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 172, 153) }
```

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

```
.background{ background-color: rgb(100,  
172, 153) }
```

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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