

Converting Colors

$Y_{xy}(34.1253, 0.2694, 0.3599)$

Have a look what the booklet for
Yxy(34.1253, 0.2694, 0.3599)
contains.

Yxy(34.1021, 0.2696, 0.3607)	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(34.1021, 0.2696, 0.3607)

Conversions

Conversions Part 1

Format	Color
Hex	64AB98
RGB	100, 171, 152
RGB Percent	39%, 67%, 60%
CMY	0.6077, 0.3294, 0.4038
CMYK	0.42, 0.00, 0.11, 0.33
HSL	164°, 30%, 53%
HSV	164°, 42%, 67%
XYZ	25.4891, 34.1021, 34.9530
YIQ	147.6050, -36.2170, -20.9610

Conversions

Conversions Part 2

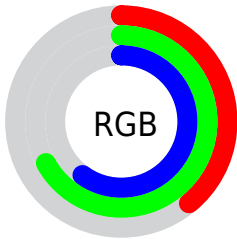
Format	Color
RYB	100, 141, 171
Decimal	6597528
CIELab	65.04, -26.89, 2.79
CIELCh	65, 27.035, 174.081
Yxy	34.1021, 0.2696, 0.3607
Android (android.graphics.Color)	4284787608 (0xFF64AB98)
YUV	147.6050, 2.1667, -41.7496
Hunter-Lab	58.3970, -24.2831, 5.3904

Details

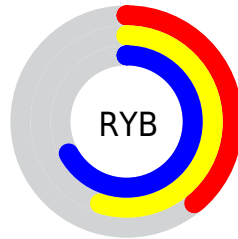
The Yxy color **34.1021, 0.2696, 0.3607** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.1090, 0.3879, 0.3003**, and the grayscale version is **29.4469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2644, 0.2783, 0.3550**, and **14.4773, 0.2551, 0.3711** is the 20% darker color. If you saturate the color by 10%, you get **33.0813, 0.2619, 0.3698**, and if you desaturate by 10%, it is **35.3361, 0.2786, 0.3521**.

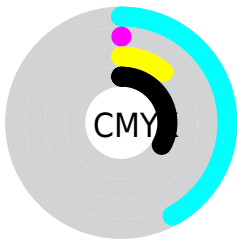
Distribution



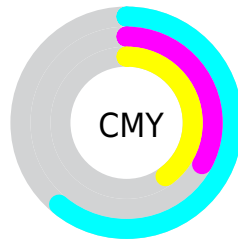
- Red (39%)
- Green (67%)
- Blue (60%)



- 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 34.1021, 0.2696, 0.3607 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 34.1021, 0.2696, 0.3607 by changing the saturation by 10% instead.

 34.1021, 0.2696,
0.3607


 34.1021, 0.2696,
0.3607


320.5871, 0.2923,
0.3438


 22.9720, 0.2635,
0.3653


 66.0924, 0.2781,
0.3543


 14.5729, 0.2555,
0.3714


 87.7215, 0.2813,
0.3520

 8.5202, 0.2443,
0.3800


 113.6190, 0.2839,
0.3501

 4.4296, 0.2278,
0.3930

 144.1693, 0.2861,
0.3484

 1.9166, 0.2010,
0.4145

179.7569, 0.2880,
0.3470

 0.5584, 0.0000,
0.5748

220.7661, 0.2896,

 0.0000, 0.0000,

0.3458

0.0000

267.5814, 0.2911,
0.3448

■ 34.1021, 0.2696,
0.3607

■ 34.1021, 0.2696,
0.3607

■ 33.0813, 0.2619,
0.3698

■ 35.3361, 0.2786,
0.3521

■ 32.2566, 0.2558,
0.3794

■ 36.7909, 0.2887,
0.3440

■ 31.6150, 0.2515,
0.3892

■ 38.4790, 0.2996,
0.3367


■ 31.1399, 0.2491,
0.3992

■ 40.4106, 0.3110,
0.3300

■ 30.8118, 0.2486,
0.4091

■ 42.5952, 0.3226,
0.3239

 30.6127, 0.2493,
0.4174

 45.0420, 0.3343,
0.3185

 47.7595, 0.3459,
0.3138

 50.7560, 0.3572,
0.3096

 54.0394, 0.3683,
0.3059

Harmonies

Analogous

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



34.1021, 0.3080, 0.3935



34.1021, 0.2696, 0.3607



34.1021, 0.2437, 0.3194

Triad

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



34.1021, 0.2696, 0.3607



34.1021, 0.2733, 0.2620



34.1021, 0.3965, 0.3651

Complementary

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



34.1021, 0.2696, 0.3607



19.1090, 0.3879, 0.3003

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.



34.1021, 0.3866, 0.3314



34.1021, 0.2696, 0.3607



34.1021, 0.3130, 0.2744

Square

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



34.1021, 0.2696, 0.3607



34.1021, 0.2459, 0.2650



34.1021, 0.3552, 0.2992



34.1021, 0.3822, 0.3926

Rectangle

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



34.1021, 0.2696, 0.3607



34.1021, 0.2361, 0.2949



34.1021, 0.3552, 0.2992



34.1021, 0.3959, 0.3542

Sweetspot

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



34.1035, 0.2696, 0.3607



68.6879, 0.2988, 0.3372



34.0483, 0.3240, 0.4479



15.2288, 0.2974, 0.3381



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.



34.1035, 0.2696, 0.3607



59.3517, 0.2623, 0.3693



29.3008, 0.2529, 0.3032



9.0350, 0.3021, 0.3351



23.0872, 0.2490, 0.4165



0.6507, 0.2408, 0.3867

Inverse Universe

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



19.1090, 0.3879, 0.3003



28.7692, 0.4146, 0.2943



21.9319, 0.4065, 0.3528



8.0492, 0.3246, 0.3230



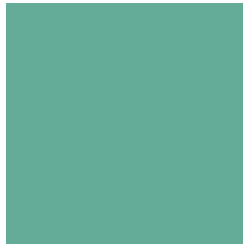
6.6816, 0.5835, 0.2988



0.1950, 0.4982, 0.2518

Previews

White Background



This preview shows how the Yxy color 34.1021, 0.2696, 0.3607 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 34.1021, 0.2696, 0.3607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

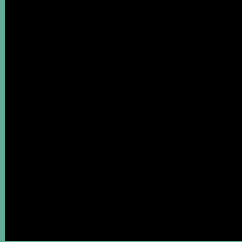
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1021, 0.2696, 0.3607

Background



This preview shows how black text looks on a background with the Yxy color 34.1021, 0.2696, 0.3607.

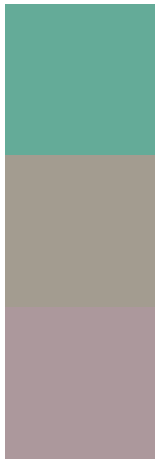


This preview shows how white text looks on a background with the Yxy color 34.1021, 0.2696, 0.3607.

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

34.1021, 0.2696, 0.3607

Protanopia

33.5771, 0.3309, 0.3469

Deuteranopia

33.6274, 0.3292, 0.3233



Tritanopia

34.0585, 0.2546, 0.3084

Trichromacy



Original Color

34.1021, 0.2696, 0.3607

Protanomaly

33.1718, 0.3051, 0.3511

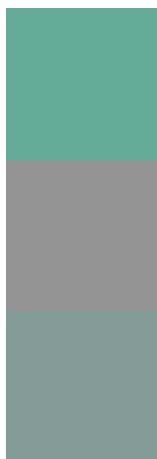
Deuteranomaly

33.2738, 0.3039, 0.3351

Tritanomaly

33.8506, 0.2594, 0.3256

Monochromacy



Original Color

34.1021, 0.2696, 0.3607

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.7722, 0.2950, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1021, 0.2696, 0.3607 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, 171, 152)` looks like.

```
.text, #text, p{  
    color:rgb(100, 171, 152)  
}
```

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, 171, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 171, 152) }
```

Border

The CSS property to change the border of an element to Yxy 34.1021, 0.2696, 0.3607 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, 171, 152) }
```

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

```
.border{ border-color:rgb(100, 171, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 171, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 171, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 171, 152);  
box-shadow:4px 4px 4px 4px rgb(100, 171,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1021, 0.2696, 0.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 171, 152) }
```

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

```
.background{ background-color: rgb(100,  
171, 152) }
```

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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