

Converting Colors

$Y_{xy}(34.2479, 0.2701, 0.3503)$

Have a look what the booklet for
Yxy(34.2479, 0.2701, 0.3503)
contains.

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Color

Yxy(34.2479, 0.2701, 0.3503)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6AAA9D |
| RGB | 106, 170, 157 |
| RGB Percent | 42%, 67%, 62% |
| CMY | 0.5842, 0.3333, 0.3843 |
| CMYK | 0.38, 0.00, 0.08, 0.33 |
| HSL | 168°, 27%, 54% |
| HSV | 168°, 38%, 67% |
| XYZ | 26.4070, 34.2479, 37.1125 |
| YIQ | 149.3820, -33.9710, -17.6110 |

Conversions

Conversions Part 2

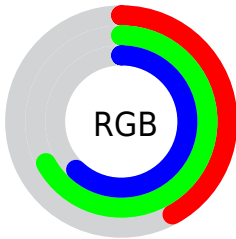
| Format | Color |
|-------------------------------------|--|
| RYB | 106, 142, 170 |
| Decimal | 6990493 |
| CIELab | 65.16, -23.56, 0.22 |
| CIELCh | 65, 23.564, 179.459 |
| Yxy | 34.2479, 0.2701, 0.3503 |
| Android (android.graphics.Color) | 4285180573 (0xFF6AAA9D) |
| YUV | 149.3820, 3.7557, -38.0460 |
| Hunter-Lab | 58.5217, -21.8678, 3.3655 |

Details

The Yxy color **34.2479, 0.2701, 0.3503** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.1950, 0.3838, 0.3092**, and the grayscale version is **30.2226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5694, 0.2789, 0.3473**, and **14.7817, 0.2566, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **33.1921, 0.2613, 0.3570**, and if you desaturate by 10%, it is **35.5163, 0.2802, 0.3440**.

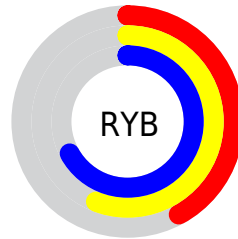
Distribution



Red (42%)

Green (67%)

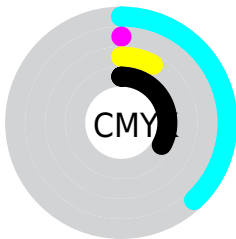
Blue (62%)



Red (42%)

Yellow (56%)

Blue (67%)

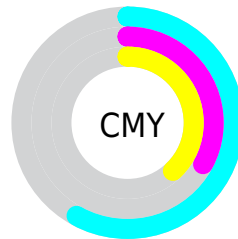


Cyan (38%)

Magenta (0%)

Yellow (8%)

Black (33%)



Cyan (58%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2479, 0.2701, 0.3503 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 34.2479, 0.2701, 0.3503 by changing the saturation by 10% instead.

 34.2479, 0.2701,
0.3503


 34.2479, 0.2701,
0.3503

321.2360, 0.2924,
0.3391

 23.0841, 0.2642,
0.3533


 66.3190, 0.2785,
0.3461


 14.6556, 0.2564,
0.3572


 87.9951, 0.2815,
0.3446

 8.5781, 0.2456,
0.3626


 113.9440, 0.2841,
0.3433

 4.4670, 0.2297,
0.3706

 144.5503, 0.2863,
0.3422

 1.9381, 0.2043,
0.3834

180.1982, 0.2881,
0.3413

 0.5711, 0.0000,
0.4851

221.2722, 0.2898,

 0.0000, 0.0000,

0.3405

0.0000

268.1567, 0.2912,
0.3398

■ 34.2479, 0.2701,
0.3503

■ 34.2479, 0.2701,
0.3503

■ 33.1921, 0.2613,
0.3570

■ 35.5163, 0.2802,
0.3440

■ 32.3324, 0.2540,
0.3640

■ 37.0044, 0.2914,
0.3382

■ 31.6567, 0.2484,
0.3712


■ 38.7241, 0.3033,
0.3328


■ 31.1496, 0.2448,
0.3785


■ 40.6852, 0.3157,
0.3279

■ 30.7933, 0.2430,
0.3858


■ 42.8968, 0.3283,
0.3235

 30.5594, 0.2430,
0.3931

 45.3678, 0.3410,
0.3196

 30.5100, 0.2430,
0.3949

 48.1064, 0.3535,
0.3161

 51.1205, 0.3658,
0.3131

 53.6440, 0.3742,
0.3102

Harmonies

Analogous

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



34.2479, 0.3024, 0.3807



34.2479, 0.2701, 0.3503



34.2479, 0.2497, 0.3149

Triad

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



34.2479, 0.2701, 0.3503



34.2479, 0.2841, 0.2710



34.2479, 0.3849, 0.3660

Complementary

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



34.2479, 0.2701, 0.3503



20.1950, 0.3838, 0.3092

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.



34.2479, 0.3800, 0.3370



34.2479, 0.2701, 0.3503



34.2479, 0.3199, 0.2842

Square

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



34.2479, 0.2701, 0.3503



34.2479, 0.2574, 0.2713



34.2479, 0.3556, 0.3077



34.2479, 0.3693, 0.3878

Rectangle

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



34.2479, 0.2701, 0.3503



34.2479, 0.2449, 0.2947



34.2479, 0.3556, 0.3077



34.2479, 0.3856, 0.3568

Sweetspot

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



34.2493, 0.2701, 0.3503



69.0975, 0.2990, 0.3346



33.7758, 0.3195, 0.4367



15.3169, 0.2974, 0.3353



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.



34.2493, 0.2701, 0.3503



60.5446, 0.2628, 0.3558



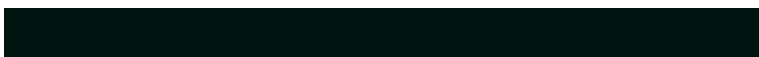
28.3851, 0.2569, 0.2987



8.5055, 0.3013, 0.3336



22.4522, 0.2428, 0.3941



0.5527, 0.2361, 0.3700

Inverse Universe

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



20.1950, 0.3838, 0.3092



31.3919, 0.4076, 0.3051



24.0429, 0.3921, 0.3570



7.5663, 0.3255, 0.3244



6.3807, 0.6028, 0.3094



0.1620, 0.5194, 0.2635

Previews

White Background



This preview shows how the Yxy color 34.2479, 0.2701, 0.3503 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 34.2479, 0.2701, 0.3503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

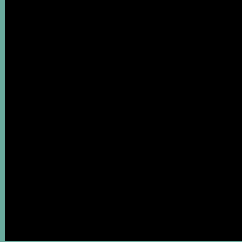
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2479, 0.2701, 0.3503

Background



This preview shows how black text looks on a background with the Yxy color 34.2479, 0.2701, 0.3503.

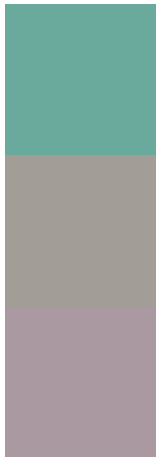


This preview shows how white text looks on a background with the Yxy color 34.2479, 0.2701, 0.3503.

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

34.2479, 0.2701, 0.3503

Protanopia

33.9973, 0.3241, 0.3394

Deuteranopia

34.0136, 0.3233, 0.3176



Tritanopia

34.3775, 0.2579, 0.3085

Trichromacy



Original Color

34.2479, 0.2701, 0.3503

Protanomaly

33.8914, 0.3018, 0.3429

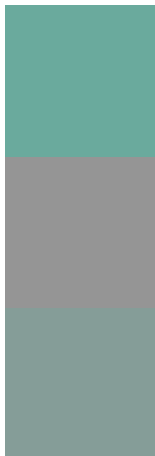
Deuteranomaly

33.5374, 0.3005, 0.3274

Tritanomaly

34.2988, 0.2621, 0.3225

Monochromacy



Original Color

34.2479, 0.2701, 0.3503

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

31.3675, 0.2943, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2479, 0.2701, 0.3503 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, 170, 157)` looks like.

```
.text, #text, p{  
    color:rgb(106, 170, 157)  
}
```

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, 170, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 170, 157) }
```

Border

The CSS property to change the border of an element to Yxy 34.2479, 0.2701, 0.3503 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, 170, 157) }
```

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

```
.border{ border-color:rgb(106, 170, 157) }
```

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

Here you see how a box with a 4 pixel rgb(106, 170, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 170, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 170, 157);  
box-shadow:4px 4px 4px 4px rgb(106, 170,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2479, 0.2701, 0.3503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 170, 157) }
```

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

```
.background{ background-color: rgb(106,  
170, 157) }
```

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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