

Converting Colors

$Y_{xy}(33.9717, 0.2695, 0.3051)$

Have a look what the booklet for
Yxy(33.9717, 0.2695, 0.3051)
contains.

Yxy(34.0383, 0.2695, 0.3044)	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(34.0383, 0.2695, 0.3044)

Conversions

Conversions Part 1

Format	Color
Hex	80A3B3
RGB	128, 163, 179
RGB Percent	50%, 64%, 70%
CMY	0.4981, 0.3608, 0.2979
CMYK	0.29, 0.09, 0.00, 0.30
HSL	199°, 25%, 60%
HSV	199°, 29%, 70%
XYZ	30.1357, 34.0383, 47.6469
YIQ	154.3590, -25.9960, -2.4440

Conversions

Conversions Part 2

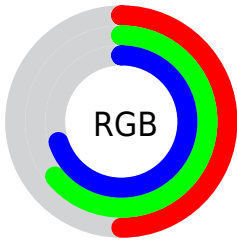
Format	Color
R_{YB}	128, 149, 179
Decimal	8430515
CIE _{Lab}	64.99, -8.16, -12.20
CIE _{LCh}	65, 14.677, 236.210
Yxy	34.0383, 0.2695, 0.3044
Android (android.graphics.Color)	4286620595 (0xFF80A3B3)
YUV	154.3590, 12.1480, -23.1168
Hunter-Lab	58.3424, -9.8980, -7.5812

Details

The Yxy color **34.0383, 0.2695, 0.3044** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.0937, 0.3678, 0.3523**, and the grayscale version is **32.4343, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0860, 0.2778, 0.3093**, and **14.4530, 0.2562, 0.2960** is the 20% darker color. If you saturate the color by 10%, you get **30.8201, 0.2550, 0.2943**, and if you desaturate by 10%, it is **37.5929, 0.2845, 0.3138**.

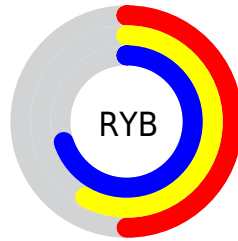
Distribution



Red (50%)

Green (64%)

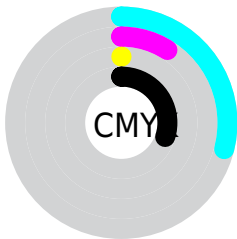
Blue (70%)



Red (50%)

Yellow (58%)

Blue (70%)

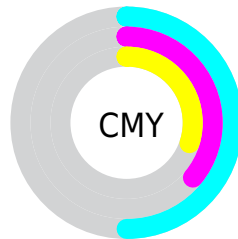


Cyan (29%)

Magenta (9%)

Yellow (0%)

Black (30%)



Cyan (50%)

Magenta (36%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0383, 0.2695, 0.3044 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 34.0383, 0.2695, 0.3044 by changing the saturation by 10% instead.

■ 34.0383, 0.2695,
0.3044

■ 34.0383, 0.2695,
0.3044

■ 320.3028, 0.2919,
0.3176

■ 22.9230, 0.2636,
0.3008

■ 65.9932, 0.2778,
0.3094

■ 14.5367, 0.2560,
0.2960

■ 87.6017, 0.2809,
0.3112

■ 8.4949, 0.2455,
0.2893

■ 113.4766, 0.2835,
0.3127

■ 4.4132, 0.2304,
0.2793

■ 144.0025, 0.2857,
0.3140

■ 1.9073, 0.2068,
0.2629

■ 179.5636, 0.2876,
0.3151

■ 0.5528, 0.1347,
0.2283

■ 220.5445, 0.2892,

■ 0.0000, 0.0000,

0.3160

0.0000

267.3294, 0.2907,
0.3168

■ 34.0383, 0.2695,
0.3044

■ 34.0383, 0.2695,
0.3044

■ 30.8201, 0.2550,
0.2943

■ 37.5929, 0.2845,
0.3138

■ 27.9201, 0.2413,
0.2835

■ 41.4928, 0.2998,
0.3223

■ 25.3246, 0.2288,
0.2722

■ 45.7517, 0.3149,
0.3301

■ 23.0168, 0.2178,
0.2605

■ 50.3811, 0.3298,
0.3371

■ 20.9778, 0.2087,
0.2486

■ 55.3920, 0.3443,
0.3432

■ 19.1857, 0.2015,
0.2368

■ 60.7949, 0.3581,
0.3487

■ 17.6039, 0.1962,
0.2251

■ 66.5999, 0.3714,
0.3535

■ 17.3796, 0.1954,
0.2234

■ 69.6126, 0.3710,
0.3591

■ 72.4016, 0.3694,
0.3647

Harmonies

Analogous

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



34.0383, 0.2737, 0.3232



34.0383, 0.2695, 0.3044



34.0383, 0.2763, 0.2932

Triad

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



34.0383, 0.2695, 0.3044



34.0383, 0.3374, 0.3138



34.0383, 0.3319, 0.3694

Complementary

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



34.0383, 0.2695, 0.3044



31.0937, 0.3678, 0.3523

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.



34.0383, 0.3499, 0.3651



34.0383, 0.2695, 0.3044



34.0383, 0.3533, 0.3326

Square

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



34.0383, 0.2695, 0.3044



34.0383, 0.3150, 0.2990



34.0383, 0.3579, 0.3513



34.0383, 0.3092, 0.3619

Rectangle

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



34.0383, 0.2695, 0.3044



34.0383, 0.2864, 0.2909



34.0383, 0.3579, 0.3513



34.0383, 0.3387, 0.3692

Sweetspot

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



34.0397, 0.2695, 0.3044



73.8201, 0.2988, 0.3218



38.8332, 0.2975, 0.3850



16.1243, 0.2966, 0.3206



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



34.0397, 0.2695, 0.3044



57.3785, 0.2606, 0.2984



26.0744, 0.2654, 0.2646



9.1725, 0.2986, 0.3217



12.3966, 0.1958, 0.2248



0.4888, 0.2048, 0.2573

Inverse Universe

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



27.6645, 0.3331, 0.2799



44.5155, 0.3387, 0.2692



39.4555, 0.3586, 0.3861



8.6004, 0.3184, 0.3135



7.7916, 0.4182, 0.2077



0.2551, 0.3851, 0.1895

Previews

White Background



This preview shows how the Yxy color 34.0383, 0.2695, 0.3044 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 34.0383, 0.2695, 0.3044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

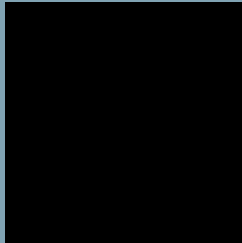
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

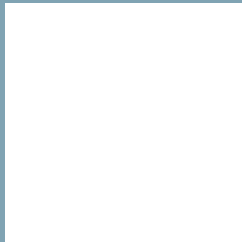
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0383, 0.2695, 0.3044

Background



This preview shows how black text looks on a background with the Yxy color 34.0383, 0.2695, 0.3044.



This preview shows how white text looks on a background with the Yxy color 34.0383, 0.2695, 0.3044.

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

34.0383, 0.2695, 0.3044

Protanopia

33.8406, 0.2951, 0.3013

Deuteranopia

33.6957, 0.2955, 0.2892



Tritanopia

33.8807, 0.2702, 0.3074

Trichromacy



Original Color

34.0383, 0.2695, 0.3044

Protanomaly

33.9506, 0.2854, 0.3037

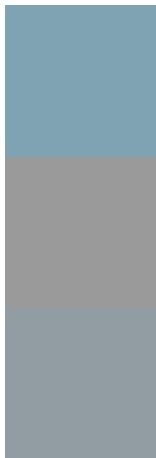
Deuteranomaly

33.7988, 0.2856, 0.2953

Tritanomaly

33.9208, 0.2695, 0.3059

Monochromacy



Original Color

34.0383, 0.2695, 0.3044

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7780, 0.2960, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0383, 0.2695, 0.3044 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(128, 163, 179)` looks like.

```
.text, #text, p{  
    color:rgb(128, 163, 179)  
}
```

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(128, 163, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 163, 179) }
```

Border

The CSS property to change the border of an element to Yxy 34.0383, 0.2695, 0.3044 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(128, 163, 179) }
```

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

```
.border{ border-color:rgb(128, 163, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 163, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 163, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 163, 179);  
box-shadow:4px 4px 4px 4px rgb(128, 163,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0383, 0.2695, 0.3044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 163, 179) }
```

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

```
.background{ background-color: rgb(128,  
163, 179) }
```

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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