

Converting Colors

$Y_{xy}(28.3445, 0.2655, 0.3255)$

Have a look what the booklet for
Yxy(28.3445, 0.2655, 0.3255)
contains.

Yxy(28.3951, 0.2653, 0.3254)	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(28.3951, 0.2653, 0.3254)

Conversions

Conversions Part 1

Format	Color
Hex	679A9C
RGB	103, 154, 156
RGB Percent	40%, 60%, 61%
CMY	0.5961, 0.3961, 0.3882
CMYK	0.34, 0.01, 0.00, 0.39
HSL	182°, 21%, 51%
HSV	182°, 34%, 61%
XYZ	23.1506, 28.3951, 35.7164
YIQ	138.9790, -31.0380, -10.1900

Conversions

Conversions Part 2

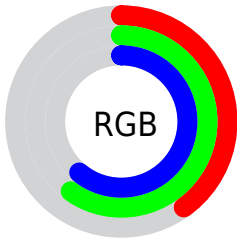
Format	Color
R_{YB}	103, 129, 156
Decimal	6789788
CIE _{Lab}	60.24, -16.38, -6.48
CIE _{LCh}	60, 17.615, 201.573
Yxy	28.3951, 0.2653, 0.3254
Android (android.graphics.Color)	4284979868 (0xFF679A9C)
YUV	138.9790, 8.3914, -31.5536
Hunter-Lab	53.2871, -15.7027, -2.4390

Details

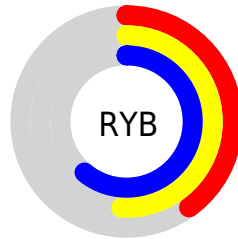
The Yxy color **28.3951, 0.2653, 0.3254** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.1538, 0.3886, 0.3326**, and the grayscale version is **25.7873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3220, 0.2752, 0.3276**, and **11.4505, 0.2492, 0.3237** is the 20% darker color. If you saturate the color by 10%, you get **27.3636, 0.2539, 0.3242**, and if you desaturate by 10%, it is **29.6019, 0.2781, 0.3265**.

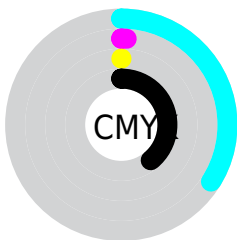
Distribution



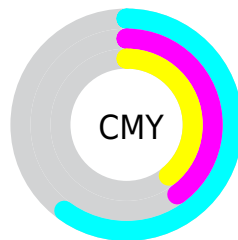
- Red (40%)
- Green (60%)
- Blue (61%)



- Red (40%)
- Yellow (51%)
- Blue (61%)



- Cyan (34%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)





- Cyan (60%)
- Magenta (40%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3951, 0.2653, 0.3254 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 28.3951, 0.2653, 0.3254 by changing the saturation by 10% instead.

 28.3951, 0.2653,
0.3254


 28.3951, 0.2653,
0.3254


294.3501, 0.2906,
0.3278

 18.6237, 0.2584,
0.3246


 57.1146, 0.2749,
0.3264

 11.3987, 0.2492,
0.3234


 76.8315, 0.2784,
0.3267

 6.3357, 0.2362,
0.3214


 100.6324, 0.2813,
0.3270

 3.0502, 0.2167,
0.3179

 128.9017, 0.2838,
0.3272

 1.1580, 0.1823,
0.3113

162.0236, 0.2858,
0.3274

 0.0270, 0.0000,
0.0530

200.3828, 0.2877,

 0.0000, 0.0000,

0.3275

0.0000

244.3635, 0.2892,
0.3276

■ 28.3951, 0.2653,
0.3254

■ 28.3951, 0.2653,
0.3254

■ 27.3636, 0.2539,
0.3242

■ 29.6019, 0.2781,
0.3265

■ 26.4945, 0.2441,
0.3230

■ 30.9896, 0.2920,
0.3276

■ 25.7783, 0.2360,
0.3217


■ 32.5675, 0.3067,
0.3286


■ 25.2033, 0.2298,
0.3205


■ 34.3432, 0.3220,
0.3295

■ 24.7561, 0.2254,
0.3192

■ 36.3242, 0.3375,
0.3304

 24.4203, 0.2227,
0.3180

 38.5174, 0.3531,
0.3311

 24.2458, 0.2215,
0.3173

 40.9293, 0.3686,
0.3318

 43.5664, 0.3837,
0.3324

 46.4345, 0.3983,
0.3329

Harmonies

Analogous

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



28.3951, 0.2849, 0.3530



28.3951, 0.2653, 0.3254



28.3951, 0.2580, 0.3005

Triad

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



28.3951, 0.2653, 0.3254



28.3951, 0.3108, 0.2891



28.3951, 0.3626, 0.3726

Complementary

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



28.3951, 0.2653, 0.3254



18.1538, 0.3886, 0.3326

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.



28.3951, 0.3706, 0.3534



28.3951, 0.2653, 0.3254



28.3951, 0.3400, 0.3064

Square

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



28.3951, 0.2653, 0.3254



28.3951, 0.2834, 0.2812



28.3951, 0.3623, 0.3294



28.3951, 0.3410, 0.3808

Rectangle

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



28.3951, 0.2653, 0.3254



28.3951, 0.2608, 0.2888



28.3951, 0.3623, 0.3294



28.3951, 0.3670, 0.3671

Sweetspot

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



28.3962, 0.2653, 0.3254



57.3201, 0.2975, 0.3280



27.6789, 0.3067, 0.4239



12.5329, 0.2956, 0.3279



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.3962, 0.2653, 0.3254



50.0741, 0.2562, 0.3245



20.6551, 0.2593, 0.2778



7.4664, 0.2988, 0.3281



19.9805, 0.2215, 0.3174



0.3692, 0.2229, 0.3223

Inverse Universe

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



19.1035, 0.3190, 0.2498



30.5663, 0.3206, 0.2323



24.3544, 0.3745, 0.3751



6.7502, 0.3143, 0.3078



7.6393, 0.3304, 0.1594



0.1378, 0.3263, 0.1571

Previews

White Background



This preview shows how the Yxy color 28.3951, 0.2653, 0.3254 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3951, 0.2653, 0.3254 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

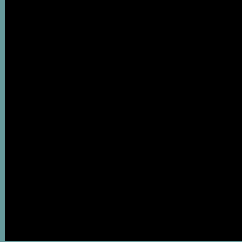
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3951, 0.2653, 0.3254

Background



This preview shows how black text looks on a background with the Yxy color 28.3951, 0.2653, 0.3254.

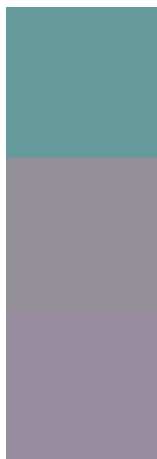


This preview shows how white text looks on a background with the Yxy color 28.3951, 0.2653, 0.3254.

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

28.3951, 0.2653, 0.3254

Protanopia

28.2595, 0.3090, 0.3195

Deuteranopia

28.2284, 0.3067, 0.3013



Tritanopia

28.5023, 0.2600, 0.3087

Trichromacy



Original Color

28.3951, 0.2653, 0.3254

Protanomaly

28.1926, 0.2911, 0.3223

Deuteranomaly

28.0947, 0.2896, 0.3095

Tritanomaly

28.3342, 0.2614, 0.3136

Monochromacy



Original Color

28.3951, 0.2653, 0.3254

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.4265, 0.2933, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3951, 0.2653, 0.3254 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(103, 154, 156)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 156)  
}
```

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(103, 154, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 156) }
```

Border

The CSS property to change the border of an element to Yxy 28.3951, 0.2653, 0.3254 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(103, 154, 156) }
```

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

```
.border{ border-color:rgb(103, 154, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 154, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 154, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 154, 156);  
box-shadow:4px 4px 4px 4px rgb(103, 154,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3951, 0.2653, 0.3254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 156) }
```

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

```
.background{ background-color: rgb(103,  
154, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor