

Converting Colors

$Y_{xy}(33.2841, 0.2778, 0.3454)$

Have a look what the booklet for
Yxy(33.2841, 0.2778, 0.3454)
contains.

Yxy(33.3857, 0.2775, 0.3452)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.3857, 0.2775, 0.3452)

Conversions

Conversions Part 1

Format	Color
Hex	74A69C
RGB	116, 166, 156
RGB Percent	45%, 65%, 61%
CMY	0.5452, 0.3490, 0.3882
CMYK	0.30, 0.00, 0.06, 0.35
HSL	168°, 22%, 55%
HSV	168°, 30%, 65%
XYZ	26.8382, 33.3857, 36.4902
YIQ	149.9100, -26.5900, -13.7100

Conversions

Conversions Part 2

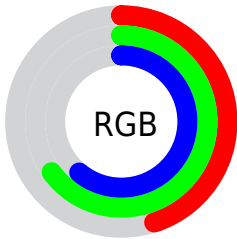
Format	Color
RYB	116, 144, 166
Decimal	7644828
CIELab	64.47, -18.84, -0.18
CIELCh	64, 18.837, 180.537
Yxy	33.3857, 0.2775, 0.3452
Android (android.graphics.Color)	4285834908 (0xFF74A69C)
YUV	149.9100, 3.0024, -29.7391
Hunter-Lab	57.7804, -18.2049, 3.0026

Details

The Yxy color **33.3857, 0.2775, 0.3452** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0985, 0.3652, 0.3136**, and the grayscale version is **30.4536, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8011, 0.2845, 0.3423**, and **14.1784, 0.2656, 0.3504** is the 20% darker color. If you saturate the color by 10%, you get **32.2388, 0.2676, 0.3515**, and if you desaturate by 10%, it is **34.7417, 0.2885, 0.3394**.

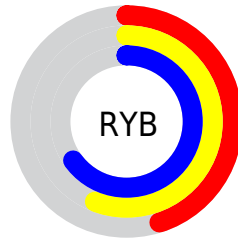
Distribution



Red (45%)

Green (65%)

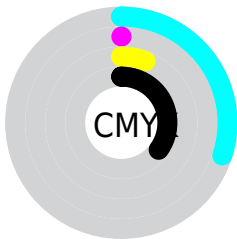
Blue (61%)



Red (45%)

Yellow (56%)

Blue (65%)

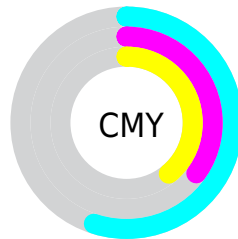


Cyan (30%)

Magenta (0%)

Yellow (6%)

Black (35%)



Cyan (55%)

Magenta (35%)


Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3857, 0.2775, 0.3452 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 33.3857, 0.2775, 0.3452 by changing the saturation by 10% instead.


 33.3857, 0.2775,
0.3452


 33.3857, 0.2775,
0.3452


317.3841, 0.2960,
0.3367

 22.4221, 0.2725,
0.3475


 64.9772, 0.2845,
0.3420

 14.1674, 0.2660,
0.3505


 86.3739, 0.2870,
0.3408

 8.2372, 0.2569,
0.3546


 112.0171, 0.2891,
0.3399

 4.2471, 0.2434,
0.3608

142.2912, 0.2909,
0.3390

 1.8127, 0.2215,
0.3708

177.5805, 0.2925,
0.3383

 0.4951, 0.0102,
0.4683

218.2695, 0.2938,

 0.0000, 0.0000,

0.3377

0.0000

264.7426, 0.2950,
0.3372

■ 33.3857, 0.2775,
0.3452

■ 33.3857, 0.2775,
0.3452

■ 32.2388, 0.2676,
0.3515

■ 34.7417, 0.2885,
0.3394

■ 31.2860, 0.2591,
0.3581

■ 36.3127, 0.3002,
0.3340

■ 30.5168, 0.2522,
0.3650

■ 38.1095, 0.3125,
0.3291

■ 29.9181, 0.2471,
0.3721

■ 40.1409, 0.3252,
0.3246

■ 29.4749, 0.2439,
0.3792

■ 42.4152, 0.3379,
0.3207

■ 29.1696, 0.2426,
0.3864

■ 44.9405, 0.3505,
0.3172

■ 28.9645, 0.2426,
0.3934

■ 47.7242, 0.3629,
0.3141

■ 50.7736, 0.3750,
0.3115

■ 52.0732, 0.3774,
0.3084

Harmonies

Analogous

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



33.3857, 0.3036, 0.3694



33.3857, 0.2775, 0.3452



33.3857, 0.2611, 0.3171

Triad

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



33.3857, 0.2775, 0.3452



33.3857, 0.2906, 0.2818



33.3857, 0.3707, 0.3603

Complementary

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



33.3857, 0.2775, 0.3452



22.0985, 0.3652, 0.3136

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.



33.3857, 0.3672, 0.3368



33.3857, 0.2775, 0.3452



33.3857, 0.3198, 0.2929

Square

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



33.3857, 0.2775, 0.3452



33.3857, 0.2684, 0.2819



33.3857, 0.3482, 0.3126



33.3857, 0.3579, 0.3771

Rectangle

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



33.3857, 0.2775, 0.3452



33.3857, 0.2574, 0.3009



33.3857, 0.3482, 0.3126



33.3857, 0.3714, 0.3529

Sweetspot

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



33.3871, 0.2775, 0.3452



66.1968, 0.3014, 0.3335



32.9694, 0.3178, 0.4126



14.7170, 0.2997, 0.3342



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.3871, 0.2775, 0.3452



59.1871, 0.2709, 0.3492



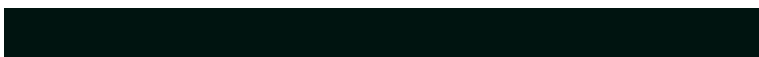
28.5972, 0.2675, 0.3042



8.5060, 0.3012, 0.3335



22.4654, 0.2424, 0.3928



0.5529, 0.2359, 0.3692

Inverse Universe

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



22.0985, 0.3652, 0.3136



35.4406, 0.3815, 0.3101



25.5968, 0.3717, 0.3525



7.5659, 0.3256, 0.3245



6.3779, 0.6038, 0.3100



0.1619, 0.5210, 0.2644

Previews

White Background



This preview shows how the Yxy color 33.3857, 0.2775, 0.3452 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 33.3857, 0.2775, 0.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

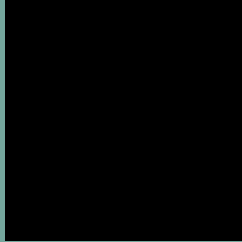
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3857, 0.2775, 0.3452

Background



This preview shows how black text looks on a background with the Yxy color 33.3857, 0.2775, 0.3452.

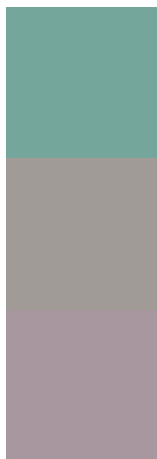


This preview shows how white text looks on a background with the Yxy color 33.3857, 0.2775, 0.3452.

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

33.3857, 0.2775, 0.3452

Protanopia

33.1183, 0.3223, 0.3365

Deuteranopia

33.0714, 0.3234, 0.3175



Tritanopia

33.3220, 0.2656, 0.3085

Trichromacy



Original Color

33.3857, 0.2775, 0.3452

Protanomaly

32.9926, 0.3046, 0.3399

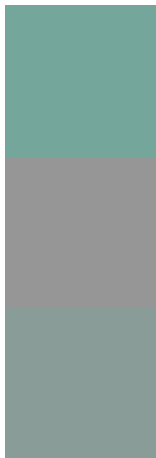
Deuteranomaly

32.7296, 0.3051, 0.3259

Tritanomaly

33.3374, 0.2700, 0.3209

Monochromacy



Original Color

33.3857, 0.2775, 0.3452

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.4472, 0.2990, 0.3353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3857, 0.2775, 0.3452 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(116, 166, 156)` looks like.

```
.text, #text, p{  
    color:rgb(116, 166, 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(116, 166, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 166, 156) }
```

Border

The CSS property to change the border of an element to Yxy 33.3857, 0.2775, 0.3452 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(116, 166, 156) }
```

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

```
.border{ border-color:rgb(116, 166, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 166, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 166, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 166, 156);  
box-shadow:4px 4px 4px 4px rgb(116, 166,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3857, 0.2775, 0.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 166, 156) }
```

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

```
.background{ background-color: rgb(116,  
166, 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](#).

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