

Converting Colors

$Y_{xy}(36.0769, 0.2822, 0.3527)$

Have a look what the booklet for
Yxy(36.0769, 0.2822, 0.3527)
contains.

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Color

Yxy(36.0769, 0.2822, 0.3527)

Conversions

Conversions Part 1

Format	Color
Hex	7AAC9D
RGB	122, 172, 157
RGB Percent	48%, 67%, 62%
CMY	0.5215, 0.3255, 0.3843
CMYK	0.29, 0.00, 0.09, 0.33
HSL	162°, 23%, 58%
HSV	162°, 29%, 67%
XYZ	28.8656, 36.0769, 37.3453
YIQ	155.3400, -24.9850, -15.2650

Conversions

Conversions Part 2

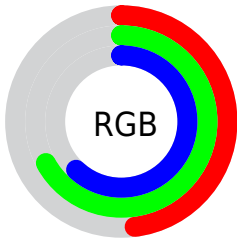
Format	Color
RYB	122, 151, 172
Decimal	8039581
CIELab	66.58, -19.86, 2.38
CIElCh	67, 19.998, 173.168
Yxy	36.0769, 0.2822, 0.3527
Android (android.graphics.Color)	4286229661 (0xFF7AAC9D)
YUV	155.3400, 0.8184, -29.2392
Hunter-Lab	60.0640, -19.3285, 5.1808

Details

The Yxy color **36.0769, 0.2822, 0.3527** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.4976, 0.3567, 0.3067**, and the grayscale version is **32.9429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.4704, 0.2881, 0.3479**, and **15.8131, 0.2721, 0.3611** is the 20% darker color. If you saturate the color by 10%, you get **34.7594, 0.2732, 0.3623**, and if you desaturate by 10%, it is **37.6270, 0.2921, 0.3438**.

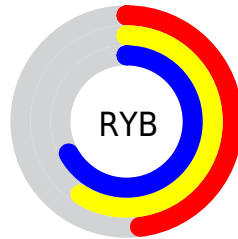
Distribution



Red (48%)

Green (67%)

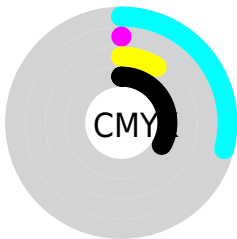
Blue (62%)



Red (48%)

Yellow (59%)

Blue (67%)

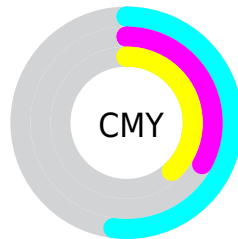


Cyan (29%)

Magenta (0%)

Yellow (9%)

Black (33%)



Cyan (52%)


Magenta (33%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0769, 0.2822, 0.3527 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 36.0769, 0.2822, 0.3527 by changing the saturation by 10% instead.


 36.0769, 0.2822,
0.3527


 36.0769, 0.2822,
0.3527


329.2965, 0.2982,
0.3402


 24.4936, 0.2780,
0.3560


 69.1507, 0.2882,
0.3480

 15.7002, 0.2724,
0.3605


 91.4101, 0.2904,
0.3463

 9.3122, 0.2647,
0.3667


 117.9969, 0.2922,
0.3449

 4.9454, 0.2534,
0.3759

149.2955, 0.2937,
0.3436

 2.2153, 0.2352,
0.3910

185.6904, 0.2951,
0.3426

 0.7283, 0.1328,
0.4661

227.5659, 0.2962,

 0.0000, 0.0000,

0.3417

0.0000

275.3065, 0.2973,
0.3409

■ 36.0769, 0.2822,
0.3527

■ 36.0769, 0.2822,
0.3527

■ 34.7594, 0.2732,
0.3623

■ 37.6270, 0.2921,
0.3438

■ 33.6582, 0.2654,
0.3725

■ 39.4163, 0.3027,
0.3357

■ 32.7621, 0.2592,
0.3832

■ 41.4563, 0.3138,
0.3283

■ 32.0566, 0.2547,
0.3943

■ 43.7569, 0.3249,
0.3218

■ 31.5256, 0.2521,
0.4056

■ 46.3270, 0.3361,
0.3159

■ 31.1503, 0.2514,
0.4169

■ 49.1754, 0.3471,
0.3107

■ 30.8943, 0.2524,
0.4280

■ 52.3102, 0.3579,
0.3062

■ 30.8721, 0.2525,
0.4291

■ 54.8551, 0.3643,
0.3018

■ 55.0976, 0.3597,
0.2965

Harmonies

Analogous

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



36.0769, 0.3108, 0.3753



36.0769, 0.2822, 0.3527



36.0769, 0.2623, 0.3236

Triad

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



36.0769, 0.2822, 0.3527



36.0769, 0.2833, 0.2791



36.0769, 0.3734, 0.3557

Complementary

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



36.0769, 0.2822, 0.3527



24.4976, 0.3567, 0.3067

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.



36.0769, 0.3656, 0.3307



36.0769, 0.2822, 0.3527



36.0769, 0.3123, 0.2880

Square

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



36.0769, 0.2822, 0.3527



36.0769, 0.2630, 0.2823



36.0769, 0.3428, 0.3065



36.0769, 0.3641, 0.3754

Rectangle

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



36.0769, 0.2822, 0.3527



36.0769, 0.2562, 0.3056



36.0769, 0.3428, 0.3065



36.0769, 0.3728, 0.3477

Sweetspot

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



36.0784, 0.2822, 0.3527



71.4728, 0.3026, 0.3358



36.2297, 0.3222, 0.4084



15.4271, 0.3011, 0.3369



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.



36.0784, 0.2822, 0.3527



63.8348, 0.2762, 0.3589



32.9582, 0.2698, 0.3131



9.0306, 0.3025, 0.3359



22.9836, 0.2522, 0.4279



0.6484, 0.2428, 0.3942

Inverse Universe

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



24.4976, 0.3567, 0.3067



39.3058, 0.3706, 0.3014



26.6802, 0.3713, 0.3442



8.0534, 0.3241, 0.3222



6.7171, 0.5724, 0.2927



0.1966, 0.4864, 0.2453

Previews

White Background



This preview shows how the Yxy color 36.0769, 0.2822, 0.3527 looks on a white background.

Color Contrast Check

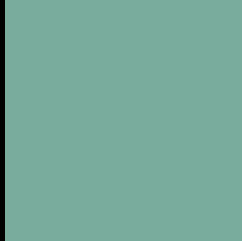
Large Text (above 18pt) WCAG AA × Fail

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 36.0769, 0.2822, 0.3527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

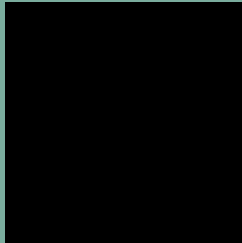
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0769, 0.2822, 0.3527

Background



This preview shows how black text looks on a background with the Yxy color 36.0769, 0.2822, 0.3527.

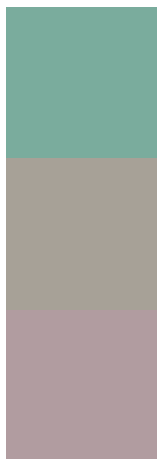


This preview shows how white text looks on a background with the Yxy color 36.0769, 0.2822, 0.3527.

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

36.0769, 0.2822, 0.3527

Protanopia

35.9396, 0.3276, 0.3435

Deuteranopia

35.6621, 0.3298, 0.3235



Tritanopia

35.8947, 0.2675, 0.3078

Trichromacy



Original Color

36.0769, 0.2822, 0.3527

Protanomaly

35.7895, 0.3100, 0.3471

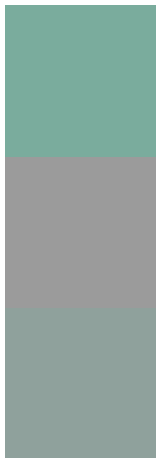
Deuteranomaly

35.5120, 0.3106, 0.3334

Tritanomaly

35.7530, 0.2725, 0.3227

Monochromacy



Original Color

36.0769, 0.2822, 0.3527

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.7297, 0.3002, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0769, 0.2822, 0.3527 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(122, 172, 157)` looks like.

```
.text, #text, p{  
    color:rgb(122, 172, 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(122, 172, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 172, 157) }
```

Border

The CSS property to change the border of an element to Yxy 36.0769, 0.2822, 0.3527 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(122, 172, 157) }
```

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

```
.border{ border-color:rgb(122, 172, 157) }
```

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

Here you see how a box with a 4 pixel rgb(122, 172, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 172, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 172, 157);  
box-shadow:4px 4px 4px 4px rgb(122, 172,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0769, 0.2822, 0.3527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 172, 157) }
```

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

```
.background{ background-color: rgb(122,  
172, 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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