

Converting Colors

$Y_{xy}(32.8537, 0.2795, 0.3480)$

Have a look what the booklet for
Yxy(32.8537, 0.2795, 0.3480)
contains.

Yxy(32.9232, 0.2796, 0.3486)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9232, 0.2796, 0.3486)

Conversions

Conversions Part 1

Format	Color
Hex	74A599
RGB	116, 165, 153
RGB Percent	45%, 65%, 60%
CMY	0.5452, 0.3529, 0.3999
CMYK	0.30, 0.00, 0.07, 0.35
HSL	165°, 21%, 55%
HSV	165°, 30%, 65%
XYZ	26.4066, 32.9232, 35.1143
YIQ	148.9810, -25.3520, -14.1200

Conversions

Conversions Part 2

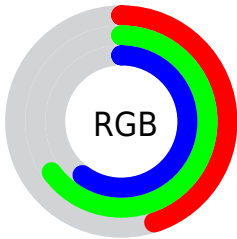
Format	Color
RYB	116, 144, 165
Decimal	7644569
CIELab	64.10, -18.99, 0.95
CIElCh	64, 19.019, 177.142
Yxy	32.9232, 0.2796, 0.3486
Android (android.graphics.Color)	4285834649 (0xFF74A599)
YUV	148.9810, 1.9814, -28.9243
Hunter-Lab	57.3787, -18.2644, 3.8812

Details

The Yxy color **32.9232, 0.2796, 0.3486** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.0412, 0.3613, 0.3104**, and the grayscale version is **30.0450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1264, 0.2862, 0.3449**, and **13.9278, 0.2693, 0.3555** is the 20% darker color. If you saturate the color by 10%, you get **31.7618, 0.2701, 0.3563**, and if you desaturate by 10%, it is **34.2926, 0.2901, 0.3414**.

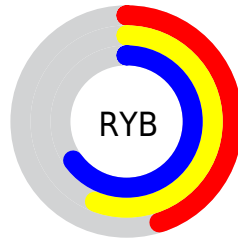
Distribution



Red (45%)

Green (65%)

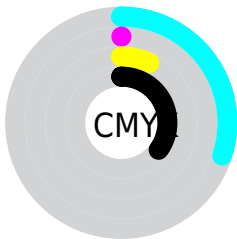
Blue (60%)



Red (45%)

Yellow (56%)

Blue (65%)

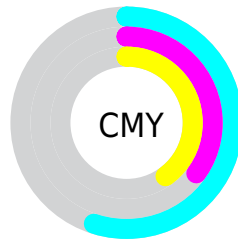


Cyan (30%)

Magenta (0%)

Yellow (7%)

Black (35%)



Cyan (55%)


Magenta (35%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9232, 0.2796, 0.3486 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 32.9232, 0.2796, 0.3486 by changing the saturation by 10% instead.


 32.9232, 0.2796,
0.3486


 32.9232, 0.2796,
0.3486


315.3035, 0.2971,
0.3382


 22.0676, 0.2749,
0.3514


 64.2556, 0.2862,
0.3447

 13.9066, 0.2686,
0.3552


 85.5012, 0.2886,
0.3432

 8.0557, 0.2599,
0.3604


 110.9790, 0.2906,
0.3420

 4.1306, 0.2469,
0.3683

141.0732, 0.2923,
0.3410

 1.7469, 0.2255,
0.3815

176.1684, 0.2938,
0.3402

 0.4537, 0.0000,
0.5147

216.6490, 0.2950,

 0.0000, 0.0000,

0.3394

0.0000

262.8992, 0.2961,
0.3388

■ 32.9232, 0.2796,
0.3486

■ 32.9232, 0.2796,
0.3486

■ 31.7618, 0.2701,
0.3563

■ 34.2926, 0.2901,
0.3414

■ 30.7937, 0.2620,
0.3645

■ 35.8759, 0.3013,
0.3348

■ 30.0086, 0.2553,
0.3731

■ 37.6836, 0.3131,
0.3288

■ 29.3936, 0.2505,
0.3819

■ 39.7245, 0.3250,
0.3235

■ 28.9340, 0.2475,
0.3908

■ 42.0068, 0.3370,
0.3186

■ 28.6126, 0.2465,
0.3998

■ 44.5383, 0.3489,
0.3144

■ 28.3919, 0.2469,
0.4087

■ 47.3265, 0.3606,
0.3107

■ 28.3860, 0.2469,
0.4090

■ 50.3785, 0.3719,
0.3074

■ 51.8593, 0.3744,
0.3038

Harmonies

Analogous

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



32.9232, 0.3069, 0.3722



32.9232, 0.2796, 0.3486



32.9232, 0.2616, 0.3200

Triad

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



32.9232, 0.2796, 0.3486



32.9232, 0.2873, 0.2806



32.9232, 0.3720, 0.3583

Complementary

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



32.9232, 0.2796, 0.3486



22.0412, 0.3613, 0.3104

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.



32.9232, 0.3665, 0.3341



32.9232, 0.2796, 0.3486



32.9232, 0.3164, 0.2907

Square

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



32.9232, 0.2796, 0.3486



32.9232, 0.2659, 0.2821



32.9232, 0.3458, 0.3098



32.9232, 0.3607, 0.3764

Rectangle

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



32.9232, 0.2796, 0.3486



32.9232, 0.2568, 0.3030



32.9232, 0.3458, 0.3098



32.9232, 0.3721, 0.3506

Sweetspot

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



32.9245, 0.2796, 0.3486



64.4141, 0.3020, 0.3345



32.7798, 0.3200, 0.4107



13.9903, 0.3004, 0.3354



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



32.9245, 0.2796, 0.3486



57.4773, 0.2729, 0.3539



29.1278, 0.2686, 0.3087



7.9816, 0.3019, 0.3345



21.4807, 0.2467, 0.4081



0.4581, 0.2378, 0.3759

Inverse Universe

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



22.0412, 0.3613, 0.3104



34.6400, 0.3775, 0.3059



24.7587, 0.3717, 0.3483



7.1130, 0.3248, 0.3235



6.1759, 0.5904, 0.3026



0.1367, 0.4968, 0.2511

Previews

White Background



This preview shows how the Yxy color 32.9232, 0.2796, 0.3486 looks on a white background.

Color Contrast Check

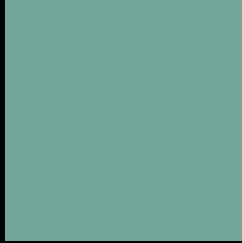
Large Text (above 18pt) WCAG AA × Fail

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 32.9232, 0.2796, 0.3486 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

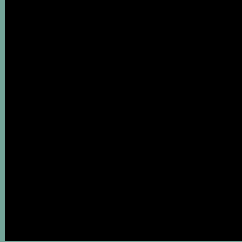
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9232, 0.2796, 0.3486

Background



This preview shows how black text looks on a background with the Yxy color 32.9232, 0.2796, 0.3486.

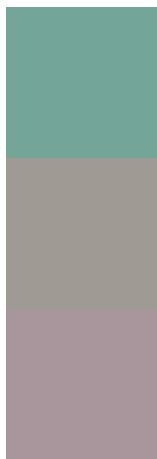


This preview shows how white text looks on a background with the Yxy color 32.9232, 0.2796, 0.3486.

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

32.9232, 0.2796, 0.3486

Protanopia

32.5887, 0.3243, 0.3396

Deuteranopia

32.6480, 0.3264, 0.3203



Tritanopia

33.0008, 0.2668, 0.3085

Trichromacy



Original Color

32.9232, 0.2796, 0.3486

Protanomaly

32.4633, 0.3063, 0.3431

Deuteranomaly

32.2933, 0.3078, 0.3290

Tritanomaly

32.9063, 0.2713, 0.3225

Monochromacy



Original Color

32.9232, 0.2796, 0.3486

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.9631, 0.2998, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9232, 0.2796, 0.3486 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, 165, 153)` looks like.

```
.text, #text, p{  
    color:rgb(116, 165, 153)  
}
```

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, 165, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 165, 153) }
```

Border

The CSS property to change the border of an element to Yxy 32.9232, 0.2796, 0.3486 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, 165, 153) }
```

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

```
.border{ border-color:rgb(116, 165, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 165, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 165, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 165, 153);  
box-shadow:4px 4px 4px 4px rgb(116, 165,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9232, 0.2796, 0.3486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 165, 153) }
```

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

```
.background{ background-color: rgb(116,  
165, 153) }
```

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