

Converting Colors

$Yxy(33.1298, 0.2716, 0.3488)$

Have a look what the booklet for
Yxy(33.1298, 0.2716, 0.3488)
contains.

Yxy(33.1298, 0.2716, 0.3488)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.1298, 0.2716, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	6BA79B
RGB	107, 167, 155
RGB Percent	42%, 65%, 61%
CMY	0.5805, 0.3451, 0.3921
CMYK	0.36, 0.00, 0.07, 0.35
HSL	168°, 25%, 54%
HSV	168°, 36%, 65%
XYZ	25.7972, 33.1298, 36.0553
YIQ	147.6920, -31.9080, -16.4520

Conversions

Conversions Part 2

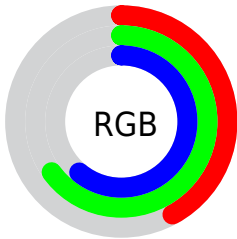
Format	Color
RYB	107, 140, 167
Decimal	7055259
CIELab	64.27, -22.24, 0.02
CIELCh	64, 22.245, 179.942
Yxy	33.1298, 0.2716, 0.3488
Android (android.graphics.Color)	4285245339 (0xFF6BA79B)
YUV	147.6920, 3.6028, -35.6869
Hunter-Lab	57.5585, -20.7253, 3.1511

Details

The Yxy color **33.1298, 0.2716, 0.3488** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.0562, 0.3796, 0.3105**, and the grayscale version is **29.4726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4231, 0.2802, 0.3450**, and **14.0732, 0.2580, 0.3558** is the 20% darker color. If you saturate the color by 10%, you get **32.0839, 0.2625, 0.3553**, and if you desaturate by 10%, it is **34.3814, 0.2820, 0.3427**.

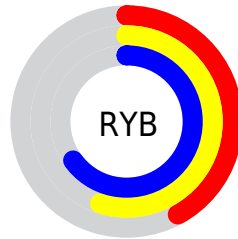
Distribution



Red (42%)

Green (65%)

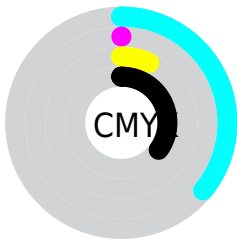
Blue (61%)



Red (42%)

Yellow (55%)

Blue (65%)

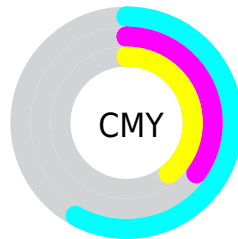


Cyan (36%)

Magenta (0%)

Yellow (7%)

Black (35%)



Cyan (58%)


Magenta (35%)

Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1298, 0.2716, 0.3488 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 33.1298, 0.2716, 0.3488 by changing the saturation by 10% instead.


 33.1298, 0.2716,
0.3488


 33.1298, 0.2716,
0.3488


316.2342, 0.2933,
0.3384

 22.2259, 0.2658,
0.3516


 64.5781, 0.2797,
0.3449


 14.0230, 0.2581,
0.3553


 85.8913, 0.2827,
0.3435

 8.1367, 0.2475,
0.3604


 111.4431, 0.2852,
0.3423

 4.1825, 0.2318,
0.3680

 141.6178, 0.2873,
0.3412

 1.7762, 0.2063,
0.3802

176.7999, 0.2891,
0.3404

 0.4723, 0.0000,
0.4795

217.3738, 0.2907,

 0.0000, 0.0000,

0.3396

0.0000

263.7237, 0.2920,
0.3390

■ 33.1298, 0.2716,
0.3488

■ 33.1298, 0.2716,
0.3488

■ 32.0839, 0.2625,
0.3553

■ 34.3814, 0.2820,
0.3427

■ 31.2281, 0.2549,
0.3621

■ 35.8452, 0.2933,
0.3370

■ 30.5509, 0.2490,
0.3691


■ 37.5327, 0.3053,
0.3319


■ 30.0380, 0.2450,
0.3763


■ 39.4529, 0.3178,
0.3272

■ 29.6729, 0.2429,
0.3834


■ 41.6147, 0.3305,
0.3229


 29.4334, 0.2426,
0.3906

 44.0264, 0.3432,
0.3192

 29.3519, 0.2426,
0.3935

 46.6958, 0.3557,
0.3159

 49.6306, 0.3680,
0.3130

 52.4036, 0.3779,
0.3103

Harmonies

Analogous

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



33.1298, 0.3024, 0.3778



33.1298, 0.2716, 0.3488



33.1298, 0.2522, 0.3152

Triad

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



33.1298, 0.2716, 0.3488



33.1298, 0.2859, 0.2736



33.1298, 0.3815, 0.3650

Complementary

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



33.1298, 0.2716, 0.3488



20.0562, 0.3796, 0.3105

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.



33.1298, 0.3771, 0.3372



33.1298, 0.2716, 0.3488



33.1298, 0.3202, 0.2864

Square

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



33.1298, 0.2716, 0.3488



33.1298, 0.2601, 0.2737



33.1298, 0.3542, 0.3091



33.1298, 0.3664, 0.3855

Rectangle

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



33.1298, 0.2716, 0.3488



33.1298, 0.2478, 0.2959



33.1298, 0.3542, 0.3091



33.1298, 0.3823, 0.3562

Sweetspot

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



33.1311, 0.2716, 0.3488



65.5752, 0.2989, 0.3345



32.6211, 0.3184, 0.4313



14.5880, 0.2974, 0.3352



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.



33.1311, 0.2716, 0.3488



57.8324, 0.2644, 0.3538



27.4077, 0.2591, 0.2986



8.5060, 0.3012, 0.3335



22.4655, 0.2424, 0.3928



0.5529, 0.2359, 0.3692

Inverse Universe

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



20.0562, 0.3796, 0.3105



30.9731, 0.4016, 0.3065



23.9396, 0.3868, 0.3572



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 33.1298, 0.2716, 0.3488 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 33.1298, 0.2716, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

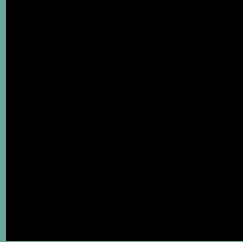
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1298, 0.2716, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 33.1298, 0.2716, 0.3488.

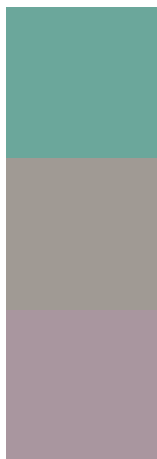


This preview shows how white text looks on a background with the Yxy color 33.1298, 0.2716, 0.3488.

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

33.1298, 0.2716, 0.3488

Protanopia

32.7229, 0.3244, 0.3380

Deuteranopia

32.7509, 0.3235, 0.3160



Tritanopia

33.1700, 0.2593, 0.3083

Trichromacy



Original Color

33.1298, 0.2716, 0.3488

Protanomaly

32.6934, 0.3026, 0.3415

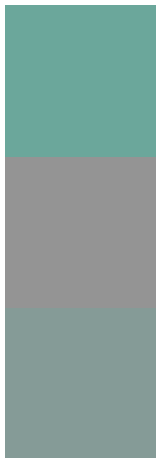
Deuteranomaly

32.3565, 0.3013, 0.3259

Tritanomaly

33.0898, 0.2635, 0.3224

Monochromacy



Original Color

33.1298, 0.2716, 0.3488

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.6636, 0.2951, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1298, 0.2716, 0.3488 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(107, 167, 155)` looks like.

```
.text, #text, p{  
    color:rgb(107, 167, 155)  
}
```

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(107, 167, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 167, 155) }
```

Border

The CSS property to change the border of an element to Yxy 33.1298, 0.2716, 0.3488 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(107, 167, 155) }
```

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

```
.border{ border-color:rgb(107, 167, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 167, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 167, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 167, 155);  
box-shadow:4px 4px 4px 4px rgb(107, 167,  
155) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 33.1298, 0.2716, 0.3488$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 167, 155) }
```

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

```
.background{ background-color: rgb(107,  
167, 155) }
```

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