

Converting Colors

$Y_{xy}(32.0691, 0.2808, 0.3324)$

Have a look what the booklet for
Yxy(32.0691, 0.2808, 0.3324)
contains.

Yxy(32.1693, 0.2810, 0.3338)	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(32.1693, 0.2810, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	7BA19E
RGB	123, 161, 158
RGB Percent	48%, 63%, 62%
CMY	0.5177, 0.3686, 0.3804
CMYK	0.24, 0.00, 0.02, 0.37
HSL	175°, 17%, 56%
HSV	175°, 24%, 63%
XYZ	27.0808, 32.1693, 37.1229
YIQ	149.2960, -21.6850, -8.9890

Conversions

Conversions Part 2

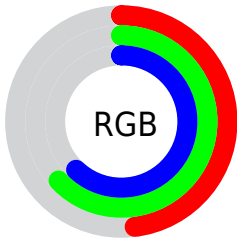
Format	Color
RYB	123, 143, 161
Decimal	8102302
CIELab	63.48, -13.59, -2.68
CIELCh	63, 13.848, 191.162
Yxy	32.1693, 0.2810, 0.3338
Android (android.graphics.Color)	4286292382 (0xFF7BA19E)
YUV	149.2960, 4.2911, -23.0616
Hunter-Lab	56.7180, -14.0291, 0.8963

Details

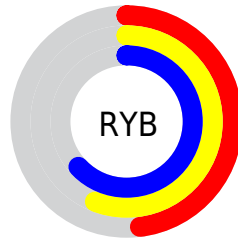
The Yxy color **32.1693, 0.2810, 0.3338** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.2440, 0.3564, 0.3243**, and the grayscale version is **30.1726, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1459, 0.2869, 0.3325**, and **13.4153, 0.2703, 0.3336** is the 20% darker color. If you saturate the color by 10%, you get **31.0356, 0.2692, 0.3361**, and if you desaturate by 10%, it is **33.5013, 0.2939, 0.3317**.

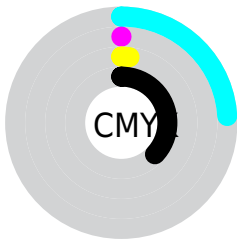
Distribution



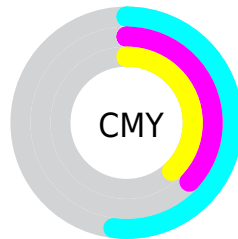
- Red (48%)
- Green (63%)
- Blue (62%)



- Red (48%)
- Yellow (56%)
- Blue (63%)



- Cyan (24%)
- Magenta (0%)
- Yellow (2%)
- Black (37%)





- Cyan (52%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1693, 0.2810, 0.3338 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 32.1693, 0.2810, 0.3338 by changing the saturation by 10% instead.

 32.1693, 0.2810,
0.3338


 32.1693, 0.2810,
0.3338


311.8897, 0.2977,
0.3314


 21.4908, 0.2765,
0.3344


 63.0764, 0.2873,
0.3329

 13.4833, 0.2706,
0.3352


 84.0738, 0.2896,
0.3326

 7.7622, 0.2623,
0.3361


 109.2797, 0.2915,
0.3323

 3.9431, 0.2499,
0.3375

139.0785, 0.2931,
0.3321

 1.6418, 0.2297,
0.3393

173.8544, 0.2945,
0.3319

 0.3855, 0.0339,
0.3752

213.9920, 0.2957,

 0.0000, 0.0000,

0.3317

0.0000

259.8757, 0.2968,
0.3315

■ 32.1693, 0.2810,
0.3338

■ 32.1693, 0.2810,
0.3338

■ 31.0356, 0.2692,
0.3361

■ 33.5013, 0.2939,
0.3317

■ 30.0869, 0.2587,
0.3385

■ 35.0367, 0.3076,
0.3297

■ 29.3140, 0.2498,
0.3411

■ 36.7850, 0.3218,
0.3279

■ 28.7056, 0.2426,
0.3437

■ 38.7542, 0.3364,
0.3263

■ 28.2490, 0.2373,
0.3463

■ 40.9517, 0.3509,
0.3248

■ 27.9297, 0.2338,
0.3490

■ 43.3847, 0.3654,
0.3236

■ 27.7304, 0.2321,
0.3516

■ 46.0599, 0.3795,
0.3225

■ 27.6381, 0.2315,
0.3533

■ 48.9840, 0.3932,
0.3215

■ 49.6372, 0.3949,
0.3203

Harmonies

Analogous

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



32.1693, 0.2986, 0.3532



32.1693, 0.2810, 0.3338



32.1693, 0.2718, 0.3138

Triad

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



32.1693, 0.2810, 0.3338



32.1693, 0.3038, 0.2954



32.1693, 0.3537, 0.3580

Complementary

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



32.1693, 0.2810, 0.3338



23.2440, 0.3564, 0.3243

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.



32.1693, 0.3554, 0.3418



32.1693, 0.2810, 0.3338



32.1693, 0.3260, 0.3065

Square

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



32.1693, 0.2810, 0.3338



32.1693, 0.2846, 0.2925



32.1693, 0.3452, 0.3232



32.1693, 0.3408, 0.3671

Rectangle

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



32.1693, 0.2810, 0.3338



32.1693, 0.2715, 0.3030



32.1693, 0.3452, 0.3232



32.1693, 0.3557, 0.3531

Sweetspot

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



32.1706, 0.2810, 0.3338



61.7316, 0.3027, 0.3303



31.3694, 0.3127, 0.3932



13.5058, 0.3020, 0.3305



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



32.1706, 0.2810, 0.3338



56.5675, 0.2751, 0.3349



27.0830, 0.2766, 0.3027



8.0015, 0.2998, 0.3308



22.0734, 0.2314, 0.3531



0.4665, 0.2288, 0.3435

Inverse Universe

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



23.2440, 0.3564, 0.3243



37.9327, 0.3686, 0.3233



27.4215, 0.3547, 0.3539



7.0947, 0.3273, 0.3272



6.0771, 0.6290, 0.3239



0.1303, 0.5820, 0.2980

Previews

White Background



This preview shows how the Yxy color 32.1693, 0.2810, 0.3338 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 32.1693, 0.2810, 0.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

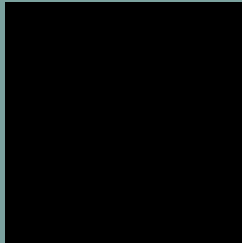
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1693, 0.2810, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 32.1693, 0.2810, 0.3338.

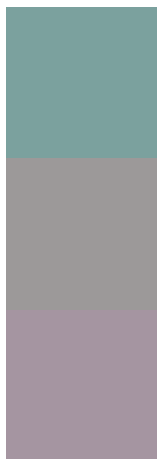


This preview shows how white text looks on a background with the Yxy color 32.1693, 0.2810, 0.3338.

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

32.1693, 0.2810, 0.3338

Protanopia

32.1503, 0.3157, 0.3290

Deuteranopia

32.0674, 0.3176, 0.3115



Tritanopia

32.2105, 0.2725, 0.3085

Trichromacy



Original Color

32.1693, 0.2810, 0.3338

Protanomaly

32.0728, 0.3020, 0.3305

Deuteranomaly

31.8046, 0.3034, 0.3183

Tritanomaly

32.2916, 0.2756, 0.3178

Monochromacy



Original Color

32.1693, 0.2810, 0.3338

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.6249, 0.3009, 0.3306

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1693, 0.2810, 0.3338 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(123, 161, 158)` looks like.

```
.text, #text, p{  
    color:rgb(123, 161, 158)  
}
```

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(123, 161, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 161, 158) }
```

Border

The CSS property to change the border of an element to Yxy 32.1693, 0.2810, 0.3338 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(123, 161, 158) }
```

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

```
.border{ border-color:rgb(123, 161, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 161, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(123, 161, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(123, 161, 158); box-shadow:4px 4px 4px 4px rgb(123, 161, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1693, 0.2810, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 161, 158) }
```

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

```
.background{ background-color: rgb(123,  
161, 158) }
```

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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