

Converting Colors

$Yxy(32.6994, 0.2630, 0.3396)$

Have a look what the booklet for
Yxy(32.6994, 0.2630, 0.3396)
contains.

Yxy(32.8848, 0.2632, 0.3405)	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(32.8848, 0.2632, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	64A7A0
RGB	100, 167, 160
RGB Percent	39%, 65%, 63%
CMY	0.6079, 0.3451, 0.3725
CMYK	0.40, 0.00, 0.04, 0.35
HSL	174°, 28%, 52%
HSV	174°, 40%, 65%
XYZ	25.4193, 32.8848, 38.2739
YIQ	146.1690, -37.6850, -16.3810

Conversions

Conversions Part 2

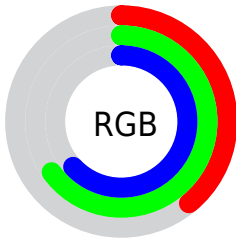
Format	Color
RYB	100, 135, 167
Decimal	6596512
CIELab	64.07, -22.98, -3.10
CIELCh	64, 23.187, 187.687
Yxy	32.8848, 0.2632, 0.3405
Android (android.graphics.Color)	4284786592 (0xFF64A7A0)
YUV	146.1690, 6.8187, -40.4902
Hunter-Lab	57.3453, -21.2309, 0.5699

Details

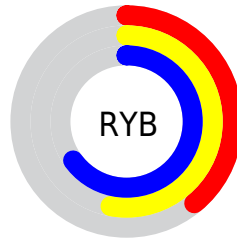
The Yxy color **32.8848, 0.2632, 0.3405** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.3885, 0.4007, 0.3183**, and the grayscale version is **28.8002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0189, 0.2727, 0.3376**, and **13.9464, 0.2468, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **31.9691, 0.2539, 0.3438**, and if you desaturate by 10%, it is **33.9992, 0.2740, 0.3373**.

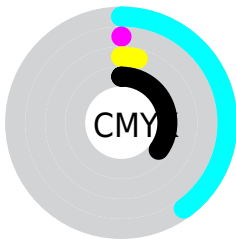
Distribution



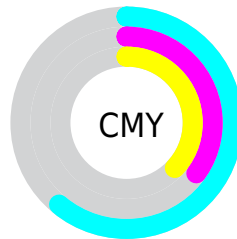
- Red (39%)
- Green (65%)
- Blue (63%)



- Red (39%)
- Yellow (53%)
- Blue (65%)



- Cyan (40%)
- Magenta (0%)
- Yellow (4%)
- Black (35%)





- Cyan (61%)
- Magenta (35%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8848, 0.2632, 0.3405 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 32.8848, 0.2632, 0.3405 by changing the saturation by 10% instead.


 32.8848, 0.2632,
0.3405


 32.8848, 0.2632,
0.3405


315.1303, 0.2891,
0.3347


 22.0382, 0.2563,
0.3419


 64.1956, 0.2729,
0.3384


 13.8850, 0.2473,
0.3438


 85.4287, 0.2765,
0.3376

 8.0407, 0.2347,
0.3462


 110.8926, 0.2795,
0.3369

 4.1210, 0.2164,
0.3495

 140.9719, 0.2820,
0.3364

 1.7415, 0.1873,
0.3539

176.0510, 0.2842,
0.3359

 0.4503, 0.0000,
0.3891

216.5141, 0.2860,

 0.0000, 0.0000,

0.3354

0.0000

262.7458, 0.2877,
0.3351

■ 32.8848, 0.2632,
0.3405

■ 32.8848, 0.2632,
0.3405

■ 31.9691, 0.2539,
0.3438

■ 33.9992, 0.2740,
0.3373

■ 31.2361, 0.2463,
0.3473

■ 35.3192, 0.2860,
0.3343

■ 30.6738, 0.2405,
0.3508


■ 36.8565, 0.2989,
0.3316


■ 30.2670, 0.2366,
0.3544

■ 38.6205, 0.3125,
0.3290


■ 29.9980, 0.2345,
0.3579

■ 40.6202, 0.3266,
0.3267

 29.8280, 0.2337,
0.3613

 42.8639, 0.3408,
0.3247

 45.3598, 0.3550,
0.3229

 48.1155, 0.3689,
0.3213

 51.1384, 0.3826,
0.3199

Harmonies

Analogous

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



32.8848, 0.2928, 0.3735



32.8848, 0.2632, 0.3405



32.8848, 0.2470, 0.3061

Triad

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



32.8848, 0.2632, 0.3405



32.8848, 0.2934, 0.2735



32.8848, 0.3823, 0.3730

Complementary

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



32.8848, 0.2632, 0.3405



18.3885, 0.4007, 0.3183

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.



32.8848, 0.3833, 0.3452



32.8848, 0.2632, 0.3405



32.8848, 0.3302, 0.2899

Square

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



32.8848, 0.2632, 0.3405



32.8848, 0.2636, 0.2699



32.8848, 0.3638, 0.3154



32.8848, 0.3620, 0.3913

Rectangle

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



32.8848, 0.2632, 0.3405



32.8848, 0.2452, 0.2879



32.8848, 0.3638, 0.3154



32.8848, 0.3850, 0.3644

Sweetspot

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



32.8861, 0.2632, 0.3405



65.3967, 0.2961, 0.3321



31.7346, 0.3137, 0.4469



14.5558, 0.2945, 0.3325



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.



32.8861, 0.2632, 0.3405



57.4402, 0.2550, 0.3434



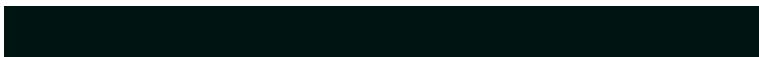
24.6411, 0.2517, 0.2845



8.5184, 0.3000, 0.3313



22.8278, 0.2336, 0.3610



0.5591, 0.2304, 0.3494

Inverse Universe

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



18.3885, 0.4007, 0.3183



27.9030, 0.4310, 0.3163



23.9747, 0.3950, 0.3691



7.5545, 0.3270, 0.3267



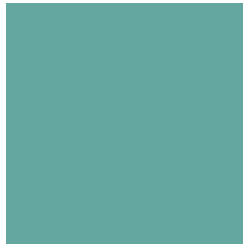
6.3223, 0.6252, 0.3218



0.1576, 0.5698, 0.2912

Previews

White Background



This preview shows how the Yxy color 32.8848, 0.2632, 0.3405 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 32.8848, 0.2632, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

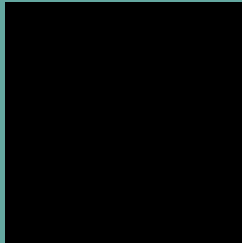
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.8848, 0.2632, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 32.8848, 0.2632, 0.3405.

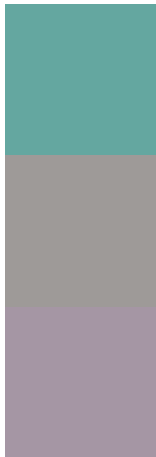


This preview shows how white text looks on a background with the Yxy color 32.8848, 0.2632, 0.3405.

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

32.8848, 0.2632, 0.3405

Protanopia

32.6473, 0.3186, 0.3320

Deuteranopia

32.4924, 0.3147, 0.3087



Tritanopia

32.7685, 0.2538, 0.3065

Trichromacy



Original Color

32.8848, 0.2632, 0.3405

Protanomaly

32.4812, 0.2955, 0.3353

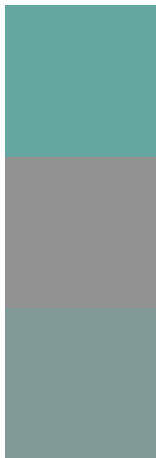
Deuteranomaly

32.0840, 0.2923, 0.3181

Tritanomaly

32.7341, 0.2573, 0.3191

Monochromacy



Original Color

32.8848, 0.2632, 0.3405

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.0127, 0.2914, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8848, 0.2632, 0.3405 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(100, 167, 160)` looks like.

```
.text, #text, p{  
    color:rgb(100, 167, 160)  
}
```

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(100, 167, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 167, 160) }
```

Border

The CSS property to change the border of an element to Yxy 32.8848, 0.2632, 0.3405 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(100, 167, 160) }
```

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

```
.border{ border-color:rgb(100, 167, 160) }
```

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

Here you see how a box with a 4 pixel rgb(100, 167, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 167, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 167, 160);  
box-shadow:4px 4px 4px 4px rgb(100, 167,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8848, 0.2632, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 167, 160) }
```

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

```
.background{ background-color: rgb(100,  
167, 160) }
```

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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