

Converting Colors

$Y_{xy}(32.2629, 0.2631, 0.3644)$

Have a look what the booklet for
Yxy(32.2629, 0.2631, 0.3644)
contains.

Yxy(32.1696, 0.2632, 0.3637)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(32.1696, 0.2632, 0.3637)$

Conversions

Conversions Part 1

Format	Color
Hex	57A894
RGB	87, 168, 148
RGB Percent	34%, 66%, 58%
CMY	0.6587, 0.3412, 0.4196
CMYK	0.48, 0.00, 0.12, 0.34
HSL	165°, 32%, 50%
HSV	165°, 48%, 66%
XYZ	23.2803, 32.1696, 33.0010
YIQ	141.5010, -41.8560, -23.3920

Conversions

Conversions Part 2

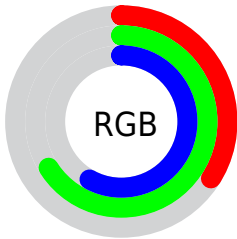
Format	Color
RYB	87, 133, 168
Decimal	5744788
CIELab	63.48, -29.76, 2.70
CIELCh	63, 29.882, 174.825
Yxy	32.1696, 0.2632, 0.3637
Android (android.graphics.Color)	4283934868 (0xFF57A894)
YUV	141.5010, 3.2040, -47.7974
Hunter-Lab	56.7183, -25.9907, 5.2054

Details

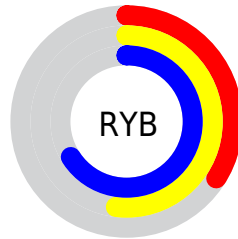
The Yxy color **32.1696, 0.2632, 0.3637** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2074, 0.4091, 0.2985**, and the grayscale version is **26.8456, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3264, 0.2733, 0.3571**, and **13.3857, 0.2470, 0.3759** is the 20% darker color. If you saturate the color by 10%, you get **31.3249, 0.2564, 0.3723**, and if you desaturate by 10%, it is **33.2098, 0.2716, 0.3555**.

Distribution



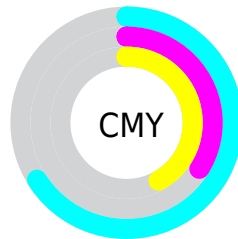
- Red (34%)
- Green (66%)
- Blue (58%)



- Red (34%)
- Yellow (52%)
- Blue (66%)



- Cyan (48%)
- Magenta (0%)
- Yellow (12%)
- Black (34%)





- Cyan (66%)
- Magenta (34%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1696, 0.2632, 0.3637 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 32.1696, 0.2632, 0.3637 by changing the saturation by 10% instead.


 32.1696, 0.2632,
0.3637


 32.1696, 0.2632,
0.3637


311.8911, 0.2895,
0.3451


 21.4911, 0.2561,
0.3688


 63.0769, 0.2731,
0.3566

 13.4834, 0.2466,
0.3757


 84.0744, 0.2768,
0.3540

 7.7623, 0.2334,
0.3854


 109.2804, 0.2798,
0.3519

 3.9432, 0.2137,
0.4002

 139.0793, 0.2823,
0.3501

 1.6418, 0.1797,
0.4262

173.8554, 0.2845,
0.3486

 0.3856, 0.0000,
0.6249

213.9931, 0.2864,

 0.0000, 0.0000,

0.3472

0.0000

259.8769, 0.2880,
0.3461

■ 32.1696, 0.2632,
0.3637

■ 32.1696, 0.2632,
0.3637

■ 31.3249, 0.2564,
0.3723

■ 33.2098, 0.2716,
0.3555

■ 30.6585, 0.2513,
0.3813

■ 34.4536, 0.2812,
0.3477

■ 30.1566, 0.2481,
0.3903


■ 35.9134, 0.2918,
0.3405

■ 29.8019, 0.2468,
0.3994


■ 37.5993, 0.3031,
0.3339

■ 29.5638, 0.2471,
0.4084

■ 39.5210, 0.3149,
0.3280

 29.5248, 0.2472,
0.4101

 41.6874, 0.3268,
0.3226

 44.1071, 0.3388,
0.3178

 46.7882, 0.3506,
0.3136

 49.7385, 0.3622,
0.3099

Harmonies

Analogous

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



32.1696, 0.3058, 0.4017



32.1696, 0.2632, 0.3637



32.1696, 0.2350, 0.3166

Triad

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



32.1696, 0.2632, 0.3637



32.1696, 0.2694, 0.2544



32.1696, 0.4070, 0.3696

Complementary

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



32.1696, 0.2632, 0.3637



16.2074, 0.4091, 0.2985

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.



32.1696, 0.3967, 0.3321



32.1696, 0.2632, 0.3637



32.1696, 0.3140, 0.2687

Square

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



32.1696, 0.2632, 0.3637



32.1696, 0.2385, 0.2570



32.1696, 0.3616, 0.2963



32.1696, 0.3899, 0.4007

Rectangle

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



32.1696, 0.2632, 0.3637



32.1696, 0.2270, 0.2893



32.1696, 0.3616, 0.2963



32.1696, 0.4067, 0.3574

Sweetspot

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



32.1709, 0.2632, 0.3637



66.3265, 0.2962, 0.3379



31.8362, 0.3224, 0.4704



14.3220, 0.2939, 0.3393



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.



32.1709, 0.2632, 0.3637



56.7267, 0.2558, 0.3731



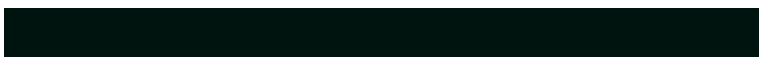
25.9580, 0.2437, 0.2935



8.4999, 0.3018, 0.3346



22.3045, 0.2470, 0.4092



0.5501, 0.2387, 0.3794

Inverse Universe

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



16.2074, 0.4091, 0.2985



24.2223, 0.4448, 0.2932



19.5850, 0.4263, 0.3605



7.5716, 0.3248, 0.3234



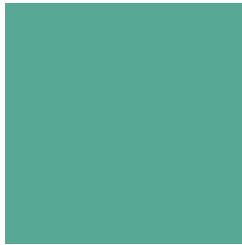
6.4172, 0.5898, 0.3023



0.1640, 0.5008, 0.2533

Previews

White Background



This preview shows how the Yxy color 32.1696, 0.2632, 0.3637 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 32.1696, 0.2632, 0.3637 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 32.1696, 0.2632, 0.3637

Background



This preview shows how black text looks on a background with the Yxy color 32.1696, 0.2632, 0.3637.

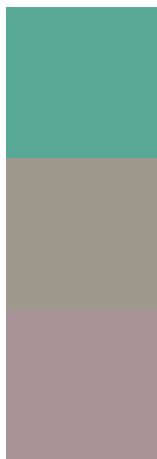


This preview shows how white text looks on a background with the Yxy color 32.1696, 0.2632, 0.3637.

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

32.1696, 0.2632, 0.3637

Protanopia

31.7209, 0.3314, 0.3474

Deuteranopia

31.7716, 0.3296, 0.3232



Tritanopia

32.2120, 0.2487, 0.3077

Trichromacy



Original Color

32.1696, 0.2632, 0.3637

Protanomaly

31.4234, 0.3021, 0.3534

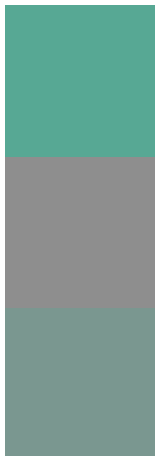
Deuteranomaly

31.1660, 0.3008, 0.3353

Tritanomaly

31.9906, 0.2542, 0.3272

Monochromacy



Original Color

32.1696, 0.2632, 0.3637

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.2844, 0.2907, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1696, 0.2632, 0.3637 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(87, 168, 148)` looks like.

```
.text, #text, p{  
    color:rgb(87, 168, 148)  
}
```

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(87, 168, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 168, 148) }
```

Border

The CSS property to change the border of an element to Yxy 32.1696, 0.2632, 0.3637 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(87, 168, 148) }
```

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

```
.border{ border-color:rgb(87, 168, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 168, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 168, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 168, 148);  
box-shadow:4px 4px 4px 4px rgb(87, 168,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1696, 0.2632, 0.3637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 168, 148) }
```

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

```
.background{ background-color: rgb(87, 168,  
148) }
```

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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