

Converting Colors

$Yxy(32.5304, 0.2619, 0.3713)$

Have a look what the booklet for
Yxy(32.5304, 0.2619, 0.3713)
contains.

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Color

Yxy(32.5741, 0.2615, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	51AA92
RGB	81, 170, 146
RGB Percent	32%, 67%, 57%
CMY	0.6821, 0.3333, 0.4275
CMYK	0.52, 0.00, 0.14, 0.33
HSL	164°, 35%, 49%
HSV	164°, 52%, 67%
XYZ	22.9599, 32.5741, 32.2668
YIQ	140.6530, -45.3400, -26.3320

Conversions

Conversions Part 2

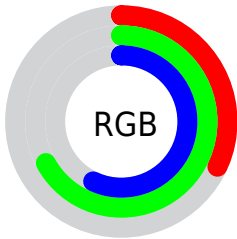
Format	Color
RYB	81, 132, 170
Decimal	5352082
CIELab	63.81, -32.63, 4.27
CIELCh	64, 32.910, 172.543
Yxy	32.5741, 0.2615, 0.3710
Android (android.graphics.Color)	4283542162 (0xFF51AA92)
YUV	140.6530, 2.6361, -52.3157
Hunter-Lab	57.0737, -28.0711, 6.4318

Details

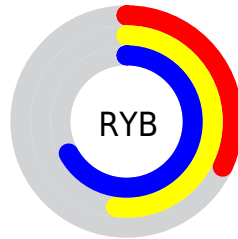
The Yxy color **32.5741, 0.2615, 0.3710** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4623, 0.4186, 0.2931**, and the grayscale version is **26.5028, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8812, 0.2720, 0.3624**, and **13.6773, 0.2439, 0.3841** is the 20% darker color. If you saturate the color by 10%, you get **31.7754, 0.2555, 0.3807**, and if you desaturate by 10%, it is **33.5692, 0.2691, 0.3617**.

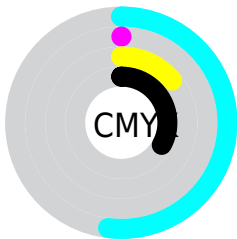
Distribution



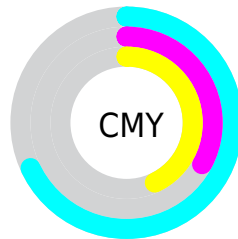
- Red (32%)
- Green (67%)
- Blue (57%)



- Red (32%)
- Yellow (52%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (14%)
- Black (33%)




- Cyan (68%)
- Magenta (33%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5741, 0.2615, 0.3710 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 32.5741, 0.2615, 0.3710 by changing the saturation by 10% instead.


 32.5741, 0.2615,
0.3710


 32.5741, 0.2615,
0.3710


313.7262, 0.2887,
0.3483


 21.8004, 0.2541,
0.3773


 63.7100, 0.2718,
0.3623


 13.7103, 0.2443,
0.3857


 84.8410, 0.2756,
0.3592


 7.9194, 0.2306,
0.3978


 110.1932, 0.2787,
0.3566

 4.0434, 0.2101,
0.4162

 140.1510, 0.2813,
0.3544

 1.6979, 0.1738,
0.4492

 175.0988, 0.2836,
0.3526

 0.4223, 0.0000,
0.7237

215.4210, 0.2855,

 0.0000, 0.0000,

0.3510

0.0000

261.5020, 0.2872,
0.3496

■ 32.5741, 0.2615,
0.3710

■ 32.5741, 0.2615,
0.3710

■ 31.7754, 0.2555,
0.3807

■ 33.5692, 0.2691,
0.3617

■ 31.1547, 0.2514,
0.3906

■ 34.7697, 0.2780,
0.3530

■ 30.6971, 0.2492,
0.4007

■ 36.1886, 0.2880,
0.3448

■ 30.3830, 0.2489,
0.4107

■ 37.8368, 0.2988,
0.3373

■ 30.2059, 0.2495,
0.4183

■ 39.7244, 0.3101,
0.3305

■ 41.8610, 0.3216,
0.3243

■ 44.2555, 0.3333,
0.3188

■ 46.9164, 0.3448,
0.3140

■ 49.8520, 0.3562,
0.3097

Harmonies

Analogous

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



32.5741, 0.3087, 0.4116



32.5741, 0.2615, 0.3710



32.5741, 0.2296, 0.3188

Triad

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



32.5741, 0.2615, 0.3710



32.5741, 0.2621, 0.2475



32.5741, 0.4163, 0.3697

Complementary

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



32.5741, 0.2615, 0.3710



15.4623, 0.4186, 0.2931

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.



32.5741, 0.4029, 0.3288



32.5741, 0.2615, 0.3710



32.5741, 0.3099, 0.2618

Square

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



32.5741, 0.2615, 0.3710



32.5741, 0.2302, 0.2514



32.5741, 0.3625, 0.2906



32.5741, 0.3994, 0.4049

Rectangle

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



32.5741, 0.2615, 0.3710



32.5741, 0.2200, 0.2882



32.5741, 0.3625, 0.2906



32.5741, 0.4153, 0.3562

Sweetspot

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



32.5754, 0.2615, 0.3710



67.4134, 0.2944, 0.3402



32.4236, 0.3251, 0.4827



14.9006, 0.2922, 0.3417



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.5754, 0.2615, 0.3710



57.4262, 0.2546, 0.3825



26.7005, 0.2398, 0.2953



8.4970, 0.3021, 0.3352



22.2306, 0.2492, 0.4172



0.5487, 0.2401, 0.3845

Inverse Universe

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



15.4623, 0.4186, 0.2931



22.9048, 0.4583, 0.2878



18.3199, 0.4432, 0.3584



7.5743, 0.3245, 0.3229



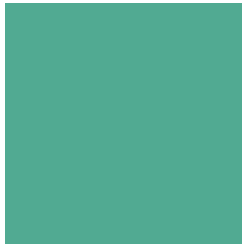
6.4393, 0.5823, 0.2982



0.1650, 0.4918, 0.2483

Previews

White Background



This preview shows how the Yxy color 32.5741, 0.2615, 0.3710 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 32.5741, 0.2615, 0.3710 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 32.5741, 0.2615, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 32.5741, 0.2615, 0.3710.

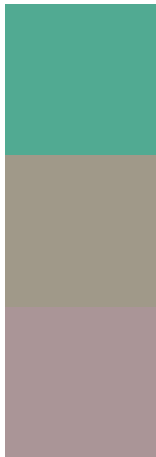


This preview shows how white text looks on a background with the Yxy color 32.5741, 0.2615, 0.3710.

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

32.5741, 0.2615, 0.3710

Protanopia

32.0622, 0.3351, 0.3534

Deuteranopia

32.2753, 0.3326, 0.3261



Tritanopia

32.3891, 0.2448, 0.3060

Trichromacy



Original Color

32.5741, 0.2615, 0.3710

Protanomaly

31.5150, 0.3027, 0.3602

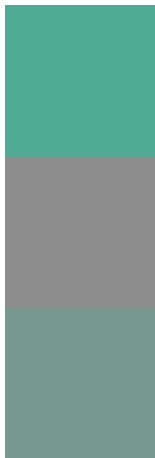
Deuteranomaly

31.6871, 0.3016, 0.3417

Tritanomaly

32.4537, 0.2505, 0.3288

Monochromacy



Original Color

32.5741, 0.2615, 0.3710

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.3616, 0.2889, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5741, 0.2615, 0.3710 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(81, 170, 146)` looks like.

```
.text, #text, p{  
    color:rgb(81, 170, 146)  
}
```

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(81, 170, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 170, 146) }
```

Border

The CSS property to change the border of an element to Yxy 32.5741, 0.2615, 0.3710 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(81, 170, 146) }
```

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

```
.border{ border-color:rgb(81, 170, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 170, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 170, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 170, 146);  
box-shadow:4px 4px 4px 4px rgb(81, 170,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5741, 0.2615, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 170, 146) }
```

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

```
.background{ background-color: rgb(81, 170,  
146) }
```

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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