

Converting Colors

$Y_{xy}(32.9209, 0.2609, 0.3307)$

Have a look what the booklet for
Yxy(32.9209, 0.2609, 0.3307)
contains.

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Color

Yxy(32.8138, 0.2609, 0.3305)

Conversions

Conversions Part 1

Format	Color
Hex	66A6A5
RGB	102, 166, 165
RGB Percent	40%, 65%, 65%
CMY	0.6002, 0.3490, 0.3529
CMYK	0.39, 0.00, 0.01, 0.35
HSL	179°, 26%, 53%
HSV	179°, 39%, 65%
XYZ	25.9035, 32.8138, 40.5680
YIQ	146.7500, -37.8230, -13.8790

Conversions

Conversions Part 2

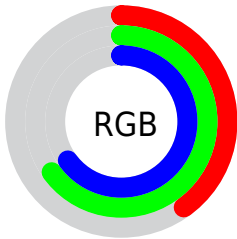
Format	Color
RYB	102, 134, 166
Decimal	6727333
CIELab	64.01, -20.70, -5.97
CIElCh	64, 21.540, 196.081
Yxy	32.8138, 0.2609, 0.3305
Android (android.graphics.Color)	4284917413 (0xFF66A6A5)
YUV	146.7500, 8.9972, -39.2458
Hunter-Lab	57.2833, -19.5281, -1.8908

Details

The Yxy color **32.8138, 0.2609, 0.3305** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.5804, 0.4042, 0.3277**, and the grayscale version is **29.0394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9481, 0.2709, 0.3301**, and **13.8798, 0.2449, 0.3312** is the 20% darker color. If you saturate the color by 10%, you get **31.9314, 0.2507, 0.3310**, and if you desaturate by 10%, it is **33.8930, 0.2727, 0.3301**.

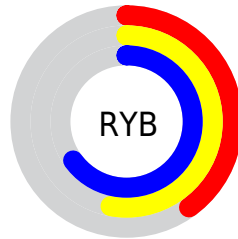
Distribution



Red (40%)

Green (65%)

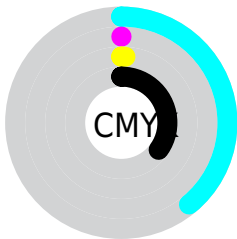
Blue (65%)



Red (40%)

Yellow (53%)

Blue (65%)

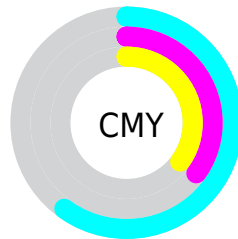


Cyan (39%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (60%)


Magenta (35%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8138, 0.2609, 0.3305 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 32.8138, 0.2609, 0.3305 by changing the saturation by 10% instead.


 32.8138, 0.2609,
0.3305


 32.8138, 0.2609,
0.3305


314.8099, 0.2880,
0.3302


 21.9838, 0.2538,
0.3304


 64.0847, 0.2710,
0.3305


 13.8450, 0.2444,
0.3302


 85.2945, 0.2747,
0.3304

 8.0130, 0.2315,
0.3297


 110.7329, 0.2778,
0.3304

 4.1032, 0.2128,
0.3285

 140.7845, 0.2805,
0.3303

 1.7315, 0.1833,
0.3253

175.8336, 0.2827,
0.3303

 0.4439, 0.0000,
0.3302

216.2646, 0.2847,

 0.0000, 0.0000,

0.3302

0.0000

262.4619, 0.2864,
0.3302

■ 32.8138, 0.2609,
0.3305

■ 32.8138, 0.2609,
0.3305

■ 31.9314, 0.2507,
0.3310

■ 33.8930, 0.2727,
0.3301

■ 31.2302, 0.2422,
0.3314

■ 35.1759, 0.2858,
0.3297

■ 30.6987, 0.2355,
0.3319


■ 36.6735, 0.2999,
0.3293

■ 30.3222, 0.2307,
0.3324


■ 38.3953, 0.3149,
0.3290

■ 30.0837, 0.2277,
0.3329


■ 40.3499, 0.3303,
0.3287

 29.9516, 0.2262,
0.3334

 42.5456, 0.3459,
0.3284

 29.9351, 0.2260,
0.3335

 44.9902, 0.3615,
0.3282

 47.6913, 0.3769,
0.3280

 50.6560, 0.3919,
0.3278

Harmonies

Analogous

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



32.8138, 0.2856, 0.3625



32.8138, 0.2609, 0.3305



32.8138, 0.2498, 0.3002

Triad

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



32.8138, 0.2609, 0.3305



32.8138, 0.3041, 0.2804



32.8138, 0.3738, 0.3761

Complementary

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



32.8138, 0.2609, 0.3305



18.5804, 0.4042, 0.3277

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.



32.8138, 0.3800, 0.3520



32.8138, 0.2609, 0.3305



32.8138, 0.3385, 0.2985

Square

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



32.8138, 0.2609, 0.3305



32.8138, 0.2736, 0.2735



32.8138, 0.3669, 0.3241



32.8138, 0.3509, 0.3890

Rectangle

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



32.8138, 0.2609, 0.3305



32.8138, 0.2511, 0.2853



32.8138, 0.3669, 0.3241



32.8138, 0.3780, 0.3689

Sweetspot

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



32.8151, 0.2609, 0.3305



65.5152, 0.2947, 0.3294



31.1194, 0.3082, 0.4435



14.5850, 0.2929, 0.3295



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.



32.8151, 0.2609, 0.3305



58.1979, 0.2523, 0.3309



22.9176, 0.2523, 0.2750



8.5300, 0.2989, 0.3293



23.2108, 0.2260, 0.3334



0.5653, 0.2255, 0.3318

Inverse Universe

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



18.5804, 0.4042, 0.3277



28.7690, 0.4350, 0.3275



25.8183, 0.3871, 0.3771



7.5441, 0.3283, 0.3287



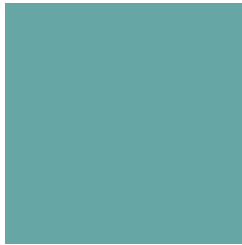
6.2917, 0.6379, 0.3288



0.1537, 0.6280, 0.3233

Previews

White Background



This preview shows how the Yxy color 32.8138, 0.2609, 0.3305 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 32.8138, 0.2609, 0.3305 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 32.8138, 0.2609, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 32.8138, 0.2609, 0.3305.

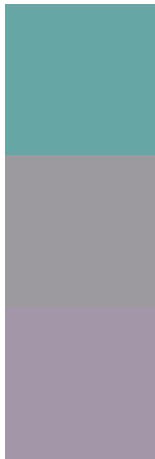


This preview shows how white text looks on a background with the Yxy color 32.8138, 0.2609, 0.3305.

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

32.8138, 0.2609, 0.3305

Protanopia

32.6477, 0.3110, 0.3230

Deuteranopia

32.4264, 0.3090, 0.3029



Tritanopia

32.7285, 0.2545, 0.3080

Trichromacy



Original Color

32.8138, 0.2609, 0.3305

Protanomaly

32.2612, 0.2896, 0.3242

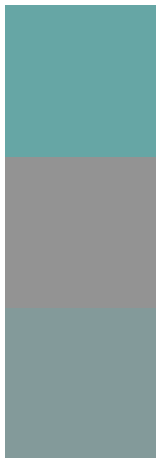
Deuteranomaly

32.2297, 0.2890, 0.3120

Tritanomaly

32.8705, 0.2567, 0.3159

Monochromacy



Original Color

32.8138, 0.2609, 0.3305

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.2696, 0.2907, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8138, 0.2609, 0.3305 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(102, 166, 165)` looks like.

```
.text, #text, p{  
    color:rgb(102, 166, 165)  
}
```

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(102, 166, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 166, 165) }
```

Border

The CSS property to change the border of an element to Yxy 32.8138, 0.2609, 0.3305 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(102, 166, 165) }
```

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

```
.border{ border-color:rgb(102, 166, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 166, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 166, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 166, 165);  
box-shadow:4px 4px 4px 4px rgb(102, 166,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8138, 0.2609, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 166, 165) }
```

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

```
.background{ background-color: rgb(102,  
166, 165) }
```

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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