

Converting Colors

$Yxy(33.6967, 0.2618, 0.3399)$

Have a look what the booklet for
Yxy(33.6967, 0.2618, 0.3399)
contains.

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Color

Yxy(33.6939, 0.2623, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	64A9A2
RGB	100, 169, 162
RGB Percent	39%, 66%, 64%
CMY	0.6080, 0.3372, 0.3646
CMYK	0.41, 0.00, 0.04, 0.34
HSL	174°, 29%, 53%
HSV	174°, 41%, 66%
XYZ	25.9633, 33.6939, 39.3260
YIQ	147.5710, -38.8770, -16.8050

Conversions

Conversions Part 2

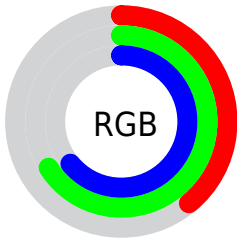
Format	Color
RYB	100, 136, 169
Decimal	6597026
CIELab	64.72, -23.50, -3.26
CIElCh	65, 23.729, 187.897
Yxy	33.6939, 0.2623, 0.3404
Android (android.graphics.Color)	4284787106 (0xFF64A9A2)
YUV	147.5710, 7.1135, -41.7198
Hunter-Lab	58.0464, -21.7409, 0.4640

Details

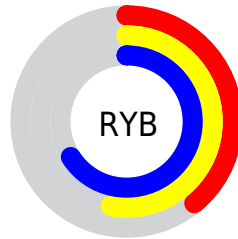
The Yxy color **33.6939, 0.2623, 0.3404** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.6040, 0.4034, 0.3185**, and the grayscale version is **29.4063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1911, 0.2718, 0.3375**, and **14.4292, 0.2469, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **32.7694, 0.2531, 0.3437**, and if you desaturate by 10%, it is **34.8218, 0.2730, 0.3373**.

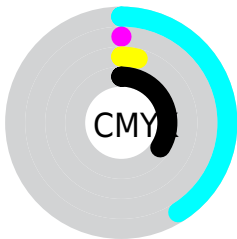
Distribution



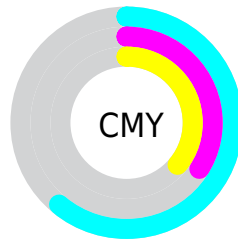
- Red (39%)
- Green (66%)
- Blue (64%)



- Red (39%)
- Yellow (53%)
- Blue (66%)



- Cyan (41%)
- Magenta (0%)
- Yellow (4%)
- Black (34%)




- Cyan (61%)
- Magenta (34%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6939, 0.2623, 0.3404 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 33.6939, 0.2623, 0.3404 by changing the saturation by 10% instead.


 33.6939, 0.2623,
0.3404


 33.6939, 0.2623,
0.3404


318.7650, 0.2886,
0.3347

 22.6585, 0.2554,
0.3418


 65.4574, 0.2721,
0.3383


 14.3416, 0.2463,
0.3436


 86.9543, 0.2757,
0.3376

 8.3586, 0.2337,
0.3459


 112.7072, 0.2788,
0.3369

 4.3253, 0.2155,
0.3490

 143.1004, 0.2813,
0.3363

 1.8571, 0.1868,
0.3532

178.5184, 0.2835,
0.3359

 0.5224, 0.0000,
0.3960

219.3456, 0.2854,

 0.0000, 0.0000,

0.3354

0.0000

265.9663, 0.2871,
0.3350

■ 33.6939, 0.2623,
0.3404

■ 33.6939, 0.2623,
0.3404

■ 32.7694, 0.2531,
0.3437

■ 34.8218, 0.2730,
0.3373

■ 32.0318, 0.2456,
0.3470

■ 36.1604, 0.2850,
0.3344

■ 31.4686, 0.2399,
0.3504


■ 37.7217, 0.2979,
0.3317


■ 31.0640, 0.2361,
0.3539

■ 39.5154, 0.3115,
0.3292

■ 30.7994, 0.2341,
0.3573

■ 41.5509, 0.3256,
0.3270

 30.6424, 0.2335,
0.3604

 43.8368, 0.3399,
0.3249

 46.3814, 0.3541,
0.3232

 49.1927, 0.3682,
0.3216

 52.2783, 0.3819,
0.3203

Harmonies

Analogous

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



33.6939, 0.2923, 0.3740



33.6939, 0.2623, 0.3404



33.6939, 0.2460, 0.3055

Triad

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



33.6939, 0.2623, 0.3404



33.6939, 0.2933, 0.2728



33.6939, 0.3833, 0.3738

Complementary

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



33.6939, 0.2623, 0.3404



18.6040, 0.4034, 0.3185

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.



33.6939, 0.3844, 0.3456



33.6939, 0.2623, 0.3404



33.6939, 0.3307, 0.2895

Square

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



33.6939, 0.2623, 0.3404



33.6939, 0.2630, 0.2691



33.6939, 0.3647, 0.3154



33.6939, 0.3625, 0.3923

Rectangle

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



33.6939, 0.2623, 0.3404



33.6939, 0.2443, 0.2871



33.6939, 0.3647, 0.3154



33.6939, 0.3861, 0.3650

Sweetspot

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



33.6952, 0.2623, 0.3404



67.1459, 0.2961, 0.3320



32.4874, 0.3137, 0.4494



14.5568, 0.2945, 0.3324



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.



33.6952, 0.2623, 0.3404



58.8292, 0.2539, 0.3433



25.0796, 0.2506, 0.2835



8.5188, 0.3000, 0.3313



22.8400, 0.2334, 0.3600



0.5593, 0.2302, 0.3487

Inverse Universe

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



18.6040, 0.4034, 0.3185



28.0834, 0.4353, 0.3164



24.3875, 0.3970, 0.3698



7.5542, 0.3270, 0.3267



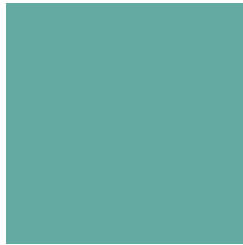
6.3210, 0.6258, 0.3221



0.1575, 0.5715, 0.2922

Previews

White Background



This preview shows how the Yxy color 33.6939, 0.2623, 0.3404 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 33.6939, 0.2623, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

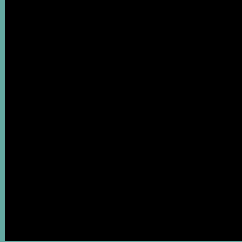
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6939, 0.2623, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 33.6939, 0.2623, 0.3404.

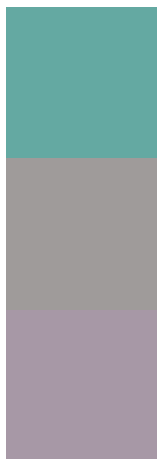


This preview shows how white text looks on a background with the Yxy color 33.6939, 0.2623, 0.3404.

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

33.6939, 0.2623, 0.3404

Protanopia

33.1467, 0.3176, 0.3305

Deuteranopia

33.4251, 0.3147, 0.3089



Tritanopia

33.5710, 0.2530, 0.3067

Trichromacy



Original Color

33.6939, 0.2623, 0.3404

Protanomaly

32.9792, 0.2948, 0.3336

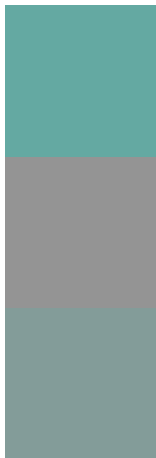
Deuteranomaly

33.0100, 0.2926, 0.3182

Tritanomaly

33.5381, 0.2565, 0.3192

Monochromacy



Original Color

33.6939, 0.2623, 0.3404

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.9021, 0.2916, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6939, 0.2623, 0.3404 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, 169, 162)` looks like.

```
.text, #text, p{  
    color:rgb(100, 169, 162)  
}
```

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, 169, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 169, 162) }
```

Border

The CSS property to change the border of an element to Yxy 33.6939, 0.2623, 0.3404 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, 169, 162) }
```

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

```
.border{ border-color:rgb(100, 169, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 169, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 169, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 169, 162);  
box-shadow:4px 4px 4px 4px rgb(100, 169,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6939, 0.2623, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 169, 162) }
```

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

```
.background{ background-color: rgb(100,  
169, 162) }
```

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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