

Converting Colors

$Yxy(34.5318, 0.2604, 0.3345)$

Have a look what the booklet for
Yxy(34.5318, 0.2604, 0.3345)
contains.

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Color

Yxy(34.7406, 0.2608, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	66ABA7
RGB	102, 171, 167
RGB Percent	40%, 67%, 65%
CMY	0.5998, 0.3294, 0.3450
CMYK	0.40, 0.00, 0.02, 0.33
HSL	177°, 29%, 54%
HSV	177°, 40%, 67%
XYZ	27.0216, 34.7406, 41.8483
YIQ	149.9130, -39.8400, -15.8720

Conversions

Conversions Part 2

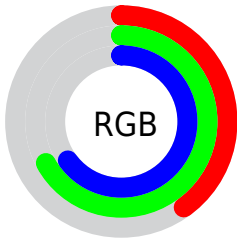
Format	Color
RYB	102, 138, 171
Decimal	6728615
CIELab	65.55, -22.72, -4.82
CIELCh	66, 23.225, 191.967
Yxy	34.7406, 0.2608, 0.3353
Android (android.graphics.Color)	4284918695 (0xFF66ABA7)
YUV	149.9130, 8.4239, -42.0197
Hunter-Lab	58.9412, -21.3136, -0.8371

Details

The Yxy color **34.7406, 0.2608, 0.3353** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.2088, 0.4063, 0.3232**, and the grayscale version is **30.4412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2800, 0.2706, 0.3349**, and **14.8230, 0.2446, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **33.8070, 0.2512, 0.3371**, and if you desaturate by 10%, it is **35.8833, 0.2720, 0.3336**.

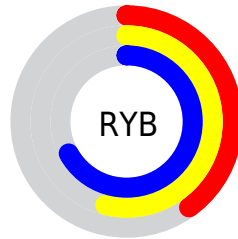
Distribution



Red (40%)

Green (67%)

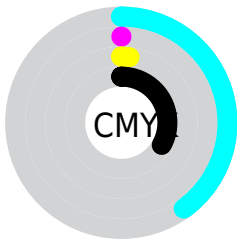
Blue (65%)



Red (40%)

Yellow (54%)

Blue (67%)

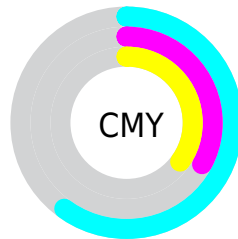


Cyan (40%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (60%)


Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7406, 0.2608, 0.3353 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 34.7406, 0.2608, 0.3353 by changing the saturation by 10% instead.


 34.7406, 0.2608,
0.3353


 34.7406, 0.2608,
0.3353


323.4219, 0.2877,
0.3324


 23.4631, 0.2538,
0.3359


 67.0837, 0.2708,
0.3343

 14.9358, 0.2446,
0.3366


 88.9182, 0.2745,
0.3339

 8.7744, 0.2321,
0.3375


 115.0404, 0.2776,
0.3336

 4.5943, 0.2140,
0.3383

 145.8347, 0.2802,
0.3333

 2.0113, 0.1859,
0.3386

181.6857, 0.2825,
0.3330

 0.6140, 0.0176,
0.3724

222.9776, 0.2844,

 0.0000, 0.0000,

0.3328

0.0000

270.0949, 0.2862,
0.3326

■ 34.7406, 0.2608,
0.3353

■ 34.7406, 0.2608,
0.3353

■ 33.8070, 0.2512,
0.3371

■ 35.8833, 0.2720,
0.3336

■ 33.0657, 0.2433,
0.3390

■ 37.2427, 0.2845,
0.3319

■ 32.5037, 0.2372,
0.3409


■ 38.8309, 0.2980,
0.3304

■ 32.1051, 0.2330,
0.3428

■ 40.6580, 0.3122,
0.3290

■ 31.8509, 0.2306,
0.3447


■ 42.7335, 0.3270,
0.3278

 31.7021, 0.2296,
0.3465

 45.0664, 0.3420,
0.3267

 47.6652, 0.3569,
0.3257

 50.5380, 0.3717,
0.3248

 53.5148, 0.3853,
0.3241

Harmonies

Analogous

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



34.7406, 0.2884, 0.3687



34.7406, 0.2608, 0.3353



34.7406, 0.2470, 0.3023

Triad

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



34.7406, 0.2608, 0.3353



34.7406, 0.2986, 0.2760



34.7406, 0.3794, 0.3756

Complementary

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



34.7406, 0.2608, 0.3353



19.2088, 0.4063, 0.3232

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.



34.7406, 0.3832, 0.3492



34.7406, 0.2608, 0.3353



34.7406, 0.3351, 0.2936

Square

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



34.7406, 0.2608, 0.3353



34.7406, 0.2678, 0.2705



34.7406, 0.3667, 0.3197



34.7406, 0.3571, 0.3916

Rectangle

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



34.7406, 0.2608, 0.3353



34.7406, 0.2469, 0.2855



34.7406, 0.3667, 0.3197



34.7406, 0.3830, 0.3676

Sweetspot

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



34.7420, 0.2608, 0.3353



68.9794, 0.2954, 0.3307



33.1876, 0.3108, 0.4488



15.3003, 0.2936, 0.3309



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.



34.7420, 0.2608, 0.3353



60.7750, 0.2525, 0.3368



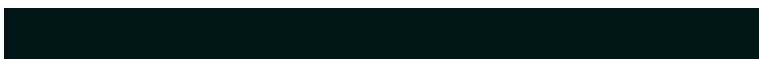
24.8507, 0.2504, 0.2781



9.0640, 0.2994, 0.3303



23.9026, 0.2295, 0.3463



0.6673, 0.2279, 0.3406

Inverse Universe

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



19.2088, 0.4063, 0.3232



29.2430, 0.4377, 0.3221



26.0984, 0.3936, 0.3744



8.0226, 0.3278, 0.3277



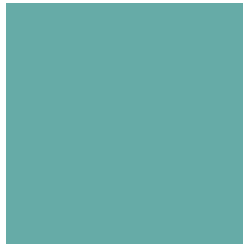
6.5458, 0.6323, 0.3257



0.1845, 0.6005, 0.3082

Previews

White Background



This preview shows how the Yxy color 34.7406, 0.2608, 0.3353 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 34.7406, 0.2608, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

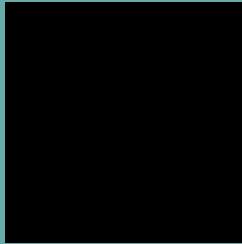
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7406, 0.2608, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 34.7406, 0.2608, 0.3353.

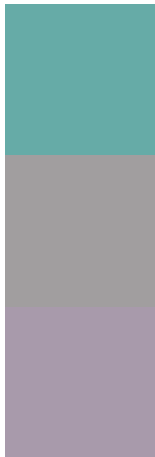


This preview shows how white text looks on a background with the Yxy color 34.7406, 0.2608, 0.3353.

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

34.7406, 0.2608, 0.3353

Protanopia

34.5340, 0.3147, 0.3275

Deuteranopia

34.3763, 0.3109, 0.3049



Tritanopia

34.8175, 0.2532, 0.3085

Trichromacy



Original Color

34.7406, 0.2608, 0.3353

Protanomaly

34.3785, 0.2926, 0.3305

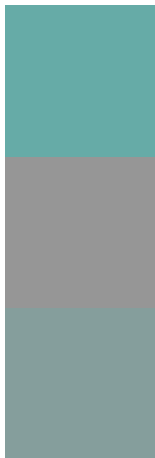
Deuteranomaly

33.9732, 0.2894, 0.3139

Tritanomaly

34.9270, 0.2560, 0.3178

Monochromacy



Original Color

34.7406, 0.2608, 0.3353

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

31.8406, 0.2910, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7406, 0.2608, 0.3353 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, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(102, 171, 167)  
}
```

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, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 171, 167) }
```

Border

The CSS property to change the border of an element to Yxy 34.7406, 0.2608, 0.3353 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, 171, 167) }
```

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

```
.border{ border-color:rgb(102, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(102, 171,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7406, 0.2608, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 171, 167) }
```

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

```
.background{ background-color: rgb(102,  
171, 167) }
```

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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