

Converting Colors

$Y_{xy}(37.8132, 0.2584, 0.3330)$

Have a look what the booklet for
Yxy(37.8132, 0.2584, 0.3330)
contains.

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Color

Yxy(37.8790, 0.2586, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	68B2AF
RGB	104, 178, 175
RGB Percent	41%, 70%, 69%
CMY	0.5920, 0.3020, 0.3137
CMYK	0.42, 0.00, 0.02, 0.30
HSL	178°, 32%, 55%
HSV	178°, 42%, 70%
XYZ	29.3718, 37.8790, 46.3294
YIQ	155.5320, -43.1410, -16.6210

Conversions

Conversions Part 2

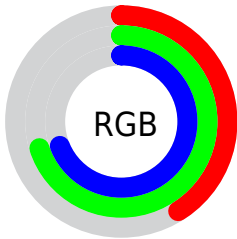
Format	Color
RYB	104, 142, 178
Decimal	6861487
CIELab	67.93, -23.73, -5.72
CIELCh	68, 24.413, 193.548
Yxy	37.8790, 0.2586, 0.3335
Android (android.graphics.Color)	4285051567 (0xFF68B2AF)
YUV	155.5320, 9.5977, -45.1936
Hunter-Lab	61.5459, -22.5190, -1.5491

Details

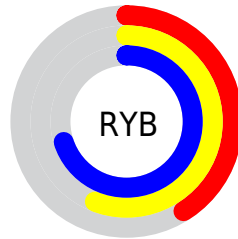
The Yxy color **37.8790, 0.2586, 0.3335** is a light color, and the websafe version is hex **669999**. A complement of this color would be **20.4355, 0.4129, 0.3249**, and the grayscale version is **33.0026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9297, 0.2690, 0.3336**, and **16.7503, 0.2423, 0.3333** is the 20% darker color. If you saturate the color by 10%, you get **36.8968, 0.2490, 0.3348**, and if you desaturate by 10%, it is **39.0892, 0.2698, 0.3323**.

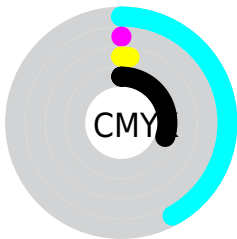
Distribution



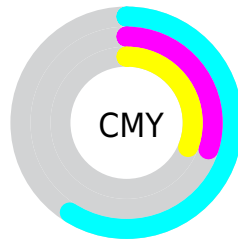
- Red (41%)
- Green (70%)
- Blue (69%)



- Red (41%)
- Yellow (56%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (59%)
- Magenta (30%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.8790, 0.2586, 0.3335 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 37.8790, 0.2586, 0.3335 by changing the saturation by 10% instead.


 37.8790, 0.2586,
0.3335


 37.8790, 0.2586,
0.3335


337.1006, 0.2862,
0.3316

 25.8888, 0.2515,
0.3338


 71.9226, 0.2688,
0.3329


 16.7405, 0.2424,
0.3341


 94.7449, 0.2725,
0.3327

 10.0496, 0.2301,
0.3344


 121.9465, 0.2757,
0.3325

 5.4319, 0.2127,
0.3344

 153.9121, 0.2784,
0.3323

 2.5028, 0.1863,
0.3334

191.0258, 0.2808,
0.3321

 0.8780, 0.1003,
0.3451

233.6723, 0.2828,

 0.0000, 0.0000,

0.3319

0.0000

282.2357, 0.2846,
0.3318

■ 37.8790, 0.2586,
0.3335

■ 37.8790, 0.2586,
0.3335

■ 36.8968, 0.2490,
0.3348

■ 39.0892, 0.2698,
0.3323

■ 36.1238, 0.2413,
0.3360

■ 40.5359, 0.2823,
0.3312

■ 35.5457, 0.2353,
0.3374

■ 42.2326, 0.2960,
0.3301


■ 35.1442, 0.2313,
0.3387

■ 44.1906, 0.3104,
0.3291

■ 34.8979, 0.2290,
0.3400


■ 46.4203, 0.3254,
0.3283

 34.7728, 0.2281,
0.3411

 48.9318, 0.3407,
0.3275

 51.7345, 0.3560,
0.3268

 54.8373, 0.3712,
0.3262

 56.4545, 0.3780,
0.3255

Harmonies

Analogous

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



37.8790, 0.2861, 0.3680



37.8790, 0.2586, 0.3335



37.8790, 0.2454, 0.3001

Triad

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



37.8790, 0.2586, 0.3335



37.8790, 0.3002, 0.2756



37.8790, 0.3800, 0.3778

Complementary

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



37.8790, 0.2586, 0.3335



20.4355, 0.4129, 0.3249

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.



37.8790, 0.3851, 0.3511



37.8790, 0.2586, 0.3335



37.8790, 0.3374, 0.2941

Square

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



37.8790, 0.2586, 0.3335



37.8790, 0.2683, 0.2693



37.8790, 0.3692, 0.3210



37.8790, 0.3564, 0.3933

Rectangle

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



37.8790, 0.2586, 0.3335



37.8790, 0.2459, 0.2835



37.8790, 0.3692, 0.3210



37.8790, 0.3840, 0.3697

Sweetspot

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



37.8805, 0.2586, 0.3335



76.3731, 0.2950, 0.3302



36.0112, 0.3097, 0.4538



16.8281, 0.2932, 0.3303



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.8805, 0.2586, 0.3335



67.0231, 0.2496, 0.3347



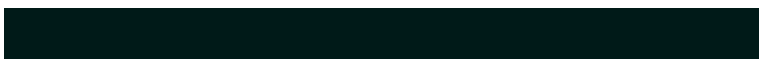
26.3240, 0.2480, 0.2739



9.6255, 0.2991, 0.3299



24.8840, 0.2280, 0.3409



0.7848, 0.2270, 0.3373

Inverse Universe

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



20.4355, 0.4129, 0.3249



31.0338, 0.4489, 0.3242



28.4476, 0.3963, 0.3777



8.5106, 0.3281, 0.3281



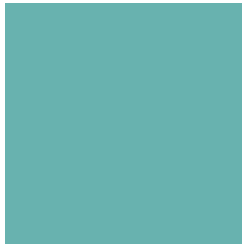
6.7858, 0.6348, 0.3270



0.2153, 0.6132, 0.3152

Previews

White Background



This preview shows how the Yxy color 37.8790, 0.2586, 0.3335 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 37.8790, 0.2586, 0.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

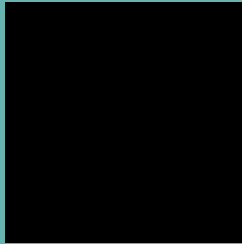
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

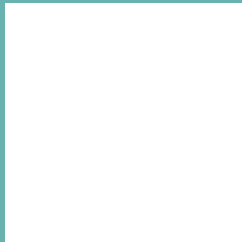
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.8790, 0.2586, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 37.8790, 0.2586, 0.3335.

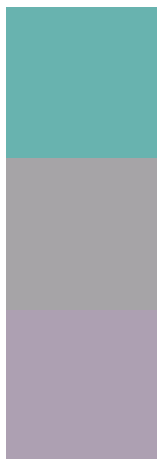


This preview shows how white text looks on a background with the Yxy color 37.8790, 0.2586, 0.3335.

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

37.8790, 0.2586, 0.3335

Protanopia

37.5564, 0.3129, 0.3248

Deuteranopia

37.3950, 0.3092, 0.3030



Tritanopia

37.9565, 0.2513, 0.3077

Trichromacy



Original Color

37.8790, 0.2586, 0.3335

Protanomaly

37.2075, 0.2899, 0.3274

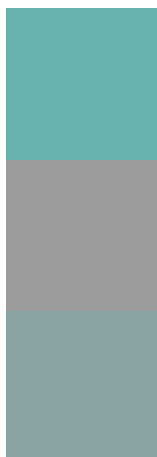
Deuteranomaly

37.2413, 0.2878, 0.3130

Tritanomaly

38.0729, 0.2540, 0.3166

Monochromacy



Original Color

37.8790, 0.2586, 0.3335

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

34.5136, 0.2892, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8790, 0.2586, 0.3335 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(104, 178, 175)` looks like.

```
.text, #text, p{  
    color:rgb(104, 178, 175)  
}
```

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(104, 178, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 178, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.8790, 0.2586, 0.3335 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(104, 178, 175) }
```

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

```
.border{ border-color:rgb(104, 178, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 178, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 178, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 178, 175);  
box-shadow:4px 4px 4px 4px rgb(104, 178,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8790, 0.2586, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 178, 175) }
```

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

```
.background{ background-color: rgb(104,  
178, 175) }
```

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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