

Converting Colors

$Y_{xy}(38.1977, 0.2703, 0.3216)$

Have a look what the booklet for
Yxy(38.1977, 0.2703, 0.3216)
contains.

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Color

Yxy(38.0388, 0.2706, 0.3214)

Conversions

Conversions Part 1

Format	Color
Hex	7FAEB3
RGB	127, 174, 179
RGB Percent	50%, 68%, 70%
CMY	0.5018, 0.3176, 0.2981
CMYK	0.29, 0.03, 0.00, 0.30
HSL	186°, 25%, 60%
HSV	186°, 29%, 70%
XYZ	32.0264, 38.0388, 48.2882
YIQ	160.5170, -29.6170, -8.4090

Conversions

Conversions Part 2

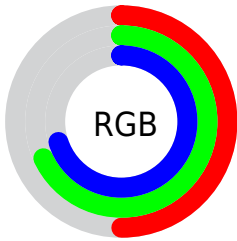
Format	Color
RYB	127, 152, 179
Decimal	8367795
CIELab	68.05, -14.35, -7.61
CIELCh	68, 16.241, 207.927
Yxy	38.0388, 0.2706, 0.3214
Android (android.graphics.Color)	4286557875 (0xFF7FAEB3)
YUV	160.5170, 9.1121, -29.3944
Hunter-Lab	61.6756, -15.2422, -3.2475

Details

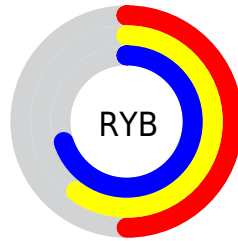
The Yxy color **38.0388, 0.2706, 0.3214** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.6188, 0.3736, 0.3364**, and the grayscale version is **35.3753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4155, 0.2783, 0.3232**, and **16.9619, 0.2588, 0.3203** is the 20% darker color. If you saturate the color by 10%, you get **36.1274, 0.2579, 0.3184**, and if you desaturate by 10%, it is **40.2058, 0.2844, 0.3242**.

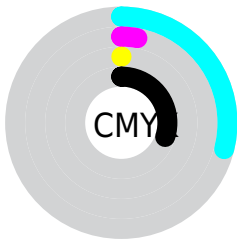
Distribution



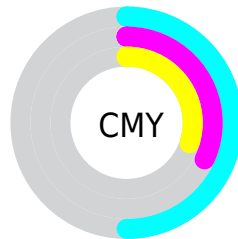
- Red (50%)
- Green (68%)
- Blue (70%)



- Red (50%)
- Yellow (60%)
- Blue (70%)



- Cyan (29%)
- Magenta (3%)
- Yellow (0%)
- Black (30%)



- Cyan (50%)
- Magenta (32%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.0388, 0.2706, 0.3214 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 38.0388, 0.2706, 0.3214 by changing the saturation by 10% instead.

■ 38.0388, 0.2706,
0.3214

■ 38.0388, 0.2706,
0.3214

■ 337.7864, 0.2921,
0.3257

■ 26.0128, 0.2651,
0.3202

■ 72.1676, 0.2785,
0.3231

■ 16.8332, 0.2579,
0.3185

■ 95.0392, 0.2815,
0.3236

■ 10.1157, 0.2483,
0.3161

■ 122.2948, 0.2839,
0.3241

■ 5.4757, 0.2346,
0.3124

■ 154.3188, 0.2860,
0.3245

■ 2.5290, 0.2136,
0.3061

■ 191.4955, 0.2879,
0.3249

■ 0.8911, 0.1658,
0.2974

■ 234.2094, 0.2895,

■ 0.0000, 0.0000,

0.3252

0.0000

282.8449, 0.2909,
0.3254

■ 38.0388, 0.2706,
0.3214

■ 38.0388, 0.2706,
0.3214

■ 36.1274, 0.2579,
0.3184

■ 40.2058, 0.2844,
0.3242

■ 34.4541, 0.2467,
0.3153

■ 42.6359, 0.2990,
0.3268

■ 33.0063, 0.2370,
0.3121

■ 45.3418, 0.3142,
0.3292

■ 31.7682, 0.2292,
0.3088

■ 48.3340, 0.3297,
0.3314

■ 30.7223, 0.2233,
0.3055

■ 51.6225, 0.3452,
0.3334

■ 29.8475, 0.2192,
0.3023

■ 55.2168, 0.3605,
0.3351

■ 29.1056, 0.2166,
0.2991

■ 59.1259, 0.3755,
0.3366

■ 29.0353, 0.2163,
0.2987

■ 60.3581, 0.3772,
0.3383

■ 61.0935, 0.3767,
0.3401

Harmonies

Analogous

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



38.0388, 0.2852, 0.3444



38.0388, 0.2706, 0.3214



38.0388, 0.2668, 0.3018

Triad

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



38.0388, 0.2706, 0.3214



38.0388, 0.3165, 0.2978



38.0388, 0.3515, 0.3680

Complementary

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



38.0388, 0.2706, 0.3214



27.6188, 0.3736, 0.3364

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.



38.0388, 0.3608, 0.3537



38.0388, 0.2706, 0.3214



38.0388, 0.3402, 0.3139

Square

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



38.0388, 0.2706, 0.3214



38.0388, 0.2926, 0.2893



38.0388, 0.3567, 0.3340



38.0388, 0.3318, 0.3720

Rectangle

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



38.0388, 0.2706, 0.3214



38.0388, 0.2708, 0.2931



38.0388, 0.3567, 0.3340



38.0388, 0.3559, 0.3642

Sweetspot

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



38.0403, 0.2706, 0.3214



76.3236, 0.2988, 0.3268



38.3933, 0.3056, 0.4047



16.7639, 0.2967, 0.3264



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.



38.0403, 0.2706, 0.3214



65.8493, 0.2621, 0.3195



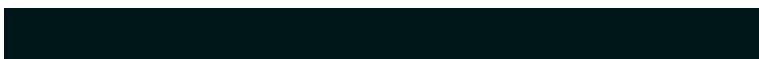
29.1607, 0.2664, 0.2816



9.4896, 0.2986, 0.3268



20.5761, 0.2164, 0.2991



0.6874, 0.2189, 0.3081

Inverse Universe

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



27.8241, 0.3212, 0.2643



44.6400, 0.3235, 0.2497



35.3406, 0.3636, 0.3722



8.6324, 0.3152, 0.3087



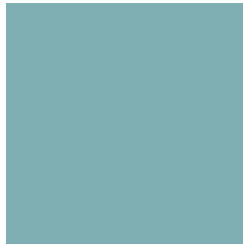
8.6173, 0.3462, 0.1681



0.2752, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 38.0388, 0.2706, 0.3214 looks on a white background.

Color Contrast Check

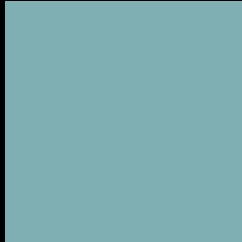
Large Text (above 18pt) WCAG AA × Fail

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 38.0388, 0.2706, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

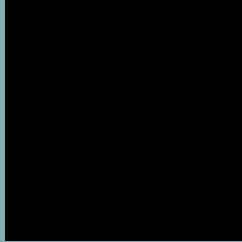
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.0388, 0.2706, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 38.0388, 0.2706, 0.3214.



This preview shows how white text looks on a background with the Yxy color 38.0388, 0.2706, 0.3214.

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

38.0388, 0.2706, 0.3214

Protanopia

37.6750, 0.3068, 0.3163

Deuteranopia

37.8658, 0.3066, 0.3004



Tritanopia

38.1421, 0.2664, 0.3082

Trichromacy



Original Color

38.0388, 0.2706, 0.3214

Protanomaly

37.7758, 0.2928, 0.3188

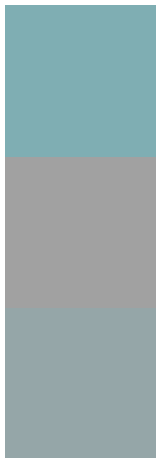
Deuteranomaly

37.7767, 0.2923, 0.3077

Tritanomaly

37.9370, 0.2677, 0.3125

Monochromacy



Original Color

38.0388, 0.2706, 0.3214

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.4892, 0.2957, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.0388, 0.2706, 0.3214 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(127, 174, 179)` looks like.

```
.text, #text, p{  
    color:rgb(127, 174, 179)  
}
```

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(127, 174, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 174, 179) }
```

Border

The CSS property to change the border of an element to Yxy 38.0388, 0.2706, 0.3214 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(127, 174, 179) }
```

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

```
.border{ border-color:rgb(127, 174, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 174, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 174, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 174, 179);  
box-shadow:4px 4px 4px 4px rgb(127, 174,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 38.0388, 0.2706, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 174, 179) }
```

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

```
.background{ background-color: rgb(127,  
174, 179) }
```

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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