

Converting Colors

$Y_{xy}(38.7208, 0.2605, 0.3126)$

Have a look what the booklet for
Yxy(38.7208, 0.2605, 0.3126)
contains.

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Color

Yxy(38.6316, 0.2608, 0.3124)

Conversions

Conversions Part 1

Format	Color
Hex	78B0BB
RGB	120, 176, 187
RGB Percent	47%, 69%, 73%
CMY	0.5291, 0.3099, 0.2666
CMYK	0.36, 0.06, 0.00, 0.27
HSL	190°, 33%, 60%
HSV	190°, 36%, 73%
XYZ	32.2507, 38.6316, 52.7784
YIQ	160.5100, -36.9070, -8.4510

Conversions

Conversions Part 2

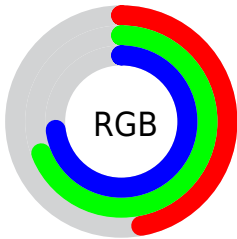
Format	Color
RYB	120, 151, 187
Decimal	7909563
CIELab	68.48, -15.41, -11.45
CIELCh	68, 19.197, 216.600
Yxy	38.6316, 0.2608, 0.3124
Android (android.graphics.Color)	4286099643 (0xFF78B0BB)
YUV	160.5100, 13.0596, -35.5273
Hunter-Lab	62.1543, -16.1498, -6.8381

Details

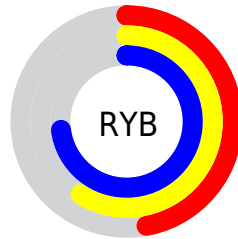
The Yxy color **38.6316, 0.2608, 0.3124** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.1891, 0.3917, 0.3448**, and the grayscale version is **35.3621, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2983, 0.2707, 0.3164**, and **17.0804, 0.2450, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **36.2280, 0.2484, 0.3070**, and if you desaturate by 10%, it is **41.3269, 0.2744, 0.3175**.

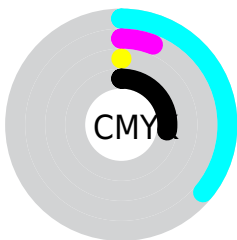
Distribution



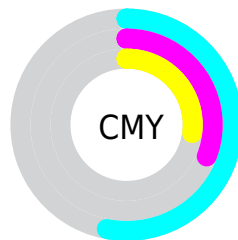
- Red (47%)
- Green (69%)
- Blue (73%)



- Red (47%)
- Yellow (59%)
- Blue (73%)



- Cyan (36%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)





- Cyan (53%)
- Magenta (31%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.6316, 0.2608, 0.3124 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 38.6316, 0.2608, 0.3124 by changing the saturation by 10% instead.


 38.6316, 0.2608,
0.3124


 38.6316, 0.2608,
0.3124


340.3217, 0.2871,
0.3214


 26.4733, 0.2541,
0.3099


 73.0752, 0.2704,
0.3159

 17.1780, 0.2456,
0.3066


 96.1292, 0.2740,
0.3171

 10.3615, 0.2341,
0.3019


 123.5839, 0.2771,
0.3181

 5.6393, 0.2179,
0.2948

155.8238, 0.2797,
0.3190

 2.6270, 0.1938,
0.2832

193.2330, 0.2819,
0.3197

 0.9403, 0.1451,
0.2642

236.1962, 0.2839,

 0.0000, 0.0000,

0.3204

0.0000

285.0976, 0.2856,
0.3209

■ 38.6316, 0.2608,
0.3124

■ 38.6316, 0.2608,
0.3124

■ 36.2280, 0.2484,
0.3070

■ 41.3269, 0.2744,
0.3175

■ 34.0961, 0.2373,
0.3014

■ 44.3235, 0.2889,
0.3223

■ 32.2204, 0.2280,
0.2956

■ 47.6361, 0.3039,
0.3266

■ 30.5817, 0.2205,
0.2897

■ 51.2771, 0.3192,
0.3306

■ 29.1579, 0.2150,
0.2838

■ 55.2583, 0.3345,
0.3342

■ 27.9211, 0.2112,
0.2780

■ 59.5905, 0.3496,
0.3374

■ 27.4314, 0.2099,
0.2756

■ 64.2845, 0.3644,
0.3402

■ 66.4546, 0.3669,
0.3433

■ 67.9026, 0.3660,
0.3465

Harmonies

Analogous

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



38.6316, 0.2744, 0.3392



38.6316, 0.2608, 0.3124



38.6316, 0.2604, 0.2919

Triad

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



38.6316, 0.2608, 0.3124



38.6316, 0.3256, 0.2973



38.6316, 0.3525, 0.3776

Complementary

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



38.6316, 0.2608, 0.3124



28.1891, 0.3917, 0.3448

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.



38.6316, 0.3677, 0.3635



38.6316, 0.2608, 0.3124



38.6316, 0.3519, 0.3177

Square

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



38.6316, 0.2608, 0.3124



38.6316, 0.2967, 0.2845



38.6316, 0.3676, 0.3415



38.6316, 0.3269, 0.3785

Rectangle

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



38.6316, 0.2608, 0.3124



38.6316, 0.2676, 0.2842



38.6316, 0.3676, 0.3415



38.6316, 0.3590, 0.3742

Sweetspot

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



38.6331, 0.2608, 0.3124



82.0311, 0.2957, 0.3243



41.1616, 0.3009, 0.4188



17.8888, 0.2937, 0.3237



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



38.6331, 0.2608, 0.3124



65.7320, 0.2508, 0.3082



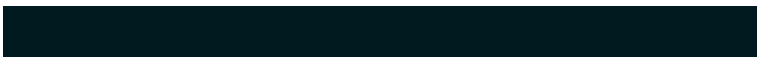
27.3871, 0.2538, 0.2610



10.5346, 0.2985, 0.3251



18.9872, 0.2101, 0.2763



0.8162, 0.2139, 0.2902

Inverse Universe

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



27.1550, 0.3287, 0.2546



42.5630, 0.3331, 0.2387



38.3296, 0.3760, 0.3885



9.6685, 0.3162, 0.3100



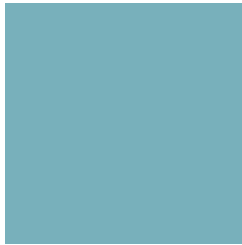
8.9465, 0.3669, 0.1795



0.3578, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 38.6316, 0.2608, 0.3124 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 38.6316, 0.2608, 0.3124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

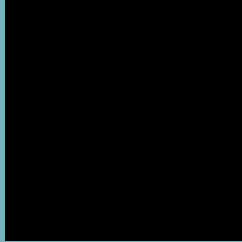
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.6316, 0.2608, 0.3124

Background



This preview shows how black text looks on a background with the Yxy color 38.6316, 0.2608, 0.3124.



This preview shows how white text looks on a background with the Yxy color 38.6316, 0.2608, 0.3124.

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

38.6316, 0.2608, 0.3124

Protanopia

38.2049, 0.3001, 0.3081

Deuteranopia

38.2163, 0.2972, 0.2911



Tritanopia

38.8333, 0.2595, 0.3081

Trichromacy



Original Color

38.6316, 0.2608, 0.3124

Protanomaly

38.1844, 0.2841, 0.3089

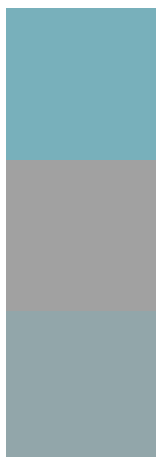
Deuteranomaly

37.9870, 0.2819, 0.2979

Tritanomaly

38.7897, 0.2601, 0.3096

Monochromacy



Original Color

38.6316, 0.2608, 0.3124

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

36.2857, 0.2915, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6316, 0.2608, 0.3124 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(120, 176, 187)` looks like.

```
.text, #text, p{  
    color:rgb(120, 176, 187)  
}
```

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(120, 176, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 176, 187) }
```

Border

The CSS property to change the border of an element to Yxy 38.6316, 0.2608, 0.3124 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(120, 176, 187) }
```

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

```
.border{ border-color:rgb(120, 176, 187) }
```

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

Here you see how a box with a 4 pixel rgb(120, 176, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 176, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 176, 187);  
box-shadow:4px 4px 4px 4px rgb(120, 176,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 38.6316, 0.2608, 0.3124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 176, 187) }
```

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

```
.background{ background-color: rgb(120,  
176, 187) }
```

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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