

Converting Colors

$Y_{xy}(39.1081, 0.2770, 0.3196)$

Have a look what the booklet for
Yxy(39.1081, 0.2770, 0.3196)
contains.

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Color

Yxy(38.9267, 0.2766, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	89AEB5
RGB	137, 174, 181
RGB Percent	54%, 68%, 71%
CMY	0.4627, 0.3176, 0.2901
CMYK	0.24, 0.04, 0.00, 0.29
HSL	190°, 23%, 62%
HSV	190°, 24%, 71%
XYZ	33.7951, 38.9267, 49.4587
YIQ	163.7350, -24.2990, -5.6670

Conversions

Conversions Part 2

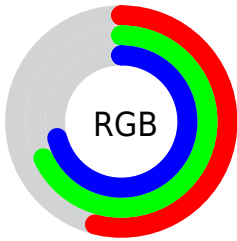
Format	Color
R_YB	137, 157, 181
Decimal	9023157
CIE Lab	68.70, -10.86, -7.71
CIE LCh	69, 13.316, 215.382
Yxy	38.9267, 0.2766, 0.3186
Android (android.graphics.Color)	4287213237 (0xFF89AEB5)
YUV	163.7350, 8.5116, -23.4466
Hunter-Lab	62.3913, -12.4976, -3.3263

Details

The Yxy color **38.9267, 0.2766, 0.3186** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.5868, 0.3603, 0.3391**, and the grayscale version is **36.9611, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7844, 0.2832, 0.3211**, and **17.4560, 0.2663, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **36.4210, 0.2629, 0.3137**, and if you desaturate by 10%, it is **41.7162, 0.2911, 0.3231**.

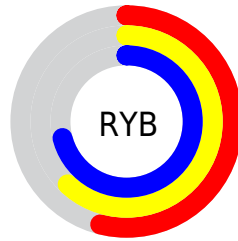
Distribution



Red (54%)

Green (68%)

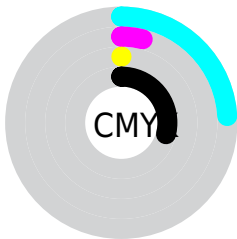
Blue (71%)



Red (54%)

Yellow (62%)

Blue (71%)

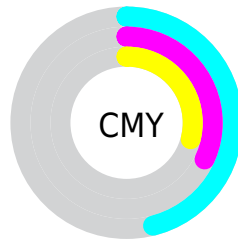


Cyan (24%)

Magenta (4%)

Yellow (0%)

Black (29%)



Cyan (46%)

Magenta (32%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.9267, 0.2766, 0.3186 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 38.9267, 0.2766, 0.3186 by changing the saturation by 10% instead.

■ 38.9267, 0.2766,
0.3186

■ 38.9267, 0.2766,
0.3186

■ 341.5787, 0.2950,
0.3242

■ 26.7027, 0.2719,
0.3171

■ 73.5263, 0.2834,
0.3207

■ 17.3501, 0.2658,
0.3150

■ 96.6708, 0.2859,
0.3215

■ 10.4844, 0.2576,
0.3122

■ 124.2241, 0.2880,
0.3221

■ 5.7213, 0.2459,
0.3079

■ 156.5708, 0.2898,
0.3227

■ 2.6764, 0.2280,
0.3008

■ 194.0952, 0.2914,
0.3231

■ 0.9652, 0.1943,
0.2884

■ 237.1818, 0.2927,

■ 0.0000, 0.0000,

0.3235

0.0000

286.2148, 0.2939,
0.3239

■ 38.9267, 0.2766,
0.3186

■ 38.9267, 0.2766,
0.3186

■ 36.4210, 0.2629,
0.3137

■ 41.7162, 0.2911,
0.3231

■ 34.1814, 0.2503,
0.3086

■ 44.7968, 0.3061,
0.3273

■ 32.1955, 0.2392,
0.3032

■ 48.1814, 0.3214,
0.3311

■ 30.4477, 0.2297,
0.2976

■ 51.8807, 0.3367,
0.3345

■ 28.9209, 0.2220,
0.2920

■ 55.9047, 0.3518,
0.3376

■ 27.5950, 0.2162,
0.2863

■ 60.2632, 0.3665,
0.3402

■ 26.4461, 0.2122,
0.2807

■ 63.2738, 0.3736,
0.3429

■ 25.8425, 0.2104,
0.2775

■ 64.5732, 0.3727,
0.3459

■ 65.8978, 0.3718,
0.3489

Harmonies

Analogous

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



38.9267, 0.2866, 0.3370



38.9267, 0.2766, 0.3186



38.9267, 0.2759, 0.3039

Triad

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



38.9267, 0.2766, 0.3186



38.9267, 0.3210, 0.3062



38.9267, 0.3410, 0.3624

Complementary

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



38.9267, 0.2766, 0.3186



31.5868, 0.3603, 0.3391

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.



38.9267, 0.3509, 0.3528



38.9267, 0.2766, 0.3186



38.9267, 0.3392, 0.3206

Square

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



38.9267, 0.2766, 0.3186



38.9267, 0.3010, 0.2974



38.9267, 0.3502, 0.3375



38.9267, 0.3236, 0.3630

Rectangle

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



38.9267, 0.2766, 0.3186



38.9267, 0.2808, 0.2980



38.9267, 0.3502, 0.3375



38.9267, 0.3453, 0.3601

Sweetspot

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



38.9283, 0.2766, 0.3186



78.6105, 0.3019, 0.3262



40.3765, 0.3046, 0.3861



16.9198, 0.3010, 0.3259



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.



38.9283, 0.2766, 0.3186



67.3203, 0.2694, 0.3161



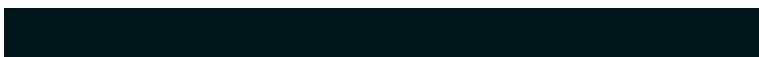
31.2460, 0.2739, 0.2857



9.3961, 0.2986, 0.3253



17.8951, 0.2106, 0.2782



0.6248, 0.2149, 0.2938

Inverse Universe

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



30.7753, 0.3225, 0.2784



50.4411, 0.3250, 0.2675



38.7653, 0.3534, 0.3688



8.6230, 0.3161, 0.3101



8.3466, 0.3651, 0.1785



0.2688, 0.3509, 0.1707

Previews

White Background



This preview shows how the Yxy color 38.9267, 0.2766, 0.3186 looks on a white background.

Color Contrast Check

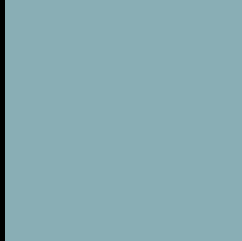
Large Text (above 18pt) WCAG AA × Fail

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 38.9267, 0.2766, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

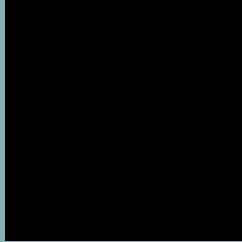
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

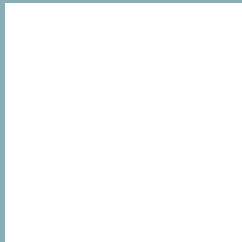
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.9267, 0.2766, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 38.9267, 0.2766, 0.3186.



This preview shows how white text looks on a background with the Yxy color 38.9267, 0.2766, 0.3186.

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

38.9267, 0.2766, 0.3186

Protanopia

38.6225, 0.3052, 0.3151

Deuteranopia

38.8434, 0.3075, 0.3020



Tritanopia

38.8783, 0.2730, 0.3086

Trichromacy



Original Color

38.9267, 0.2766, 0.3186

Protanomaly

38.6582, 0.2939, 0.3161

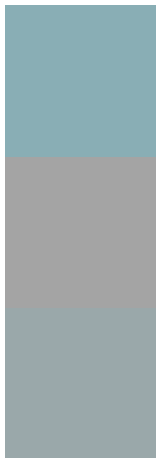
Deuteranomaly

38.6962, 0.2958, 0.3080

Tritanomaly

38.7932, 0.2744, 0.3114

Monochromacy



Original Color

38.9267, 0.2766, 0.3186

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.7776, 0.2985, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.9267, 0.2766, 0.3186 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(137, 174, 181)` looks like.

```
.text, #text, p{  
    color:rgb(137, 174, 181)  
}
```

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(137, 174, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 174, 181) }
```

Border

The CSS property to change the border of an element to Yxy 38.9267, 0.2766, 0.3186 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(137, 174, 181) }
```

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

```
.border{ border-color:rgb(137, 174, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 174, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 174, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 174, 181);  
box-shadow:4px 4px 4px 4px rgb(137, 174,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 38.9267, 0.2766, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 174, 181) }
```

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

```
.background{ background-color: rgb(137,  
174, 181) }
```

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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