

Converting Colors

$Y_{xy}(47.4021, 0.2637, 0.3145)$

Have a look what the booklet for
Yxy(47.4021, 0.2637, 0.3145)
contains.

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Color

Yxy(47.6026, 0.2638, 0.3152)

Conversions

Conversions Part 1

Format	Color
Hex	87C1CB
RGB	135, 193, 203
RGB Percent	53%, 76%, 80%
CMY	0.4706, 0.2431, 0.2040
CMYK	0.33, 0.05, 0.00, 0.20
HSL	189°, 40%, 66%
HSV	189°, 33%, 80%
XYZ	39.8400, 47.6026, 63.5809
YIQ	176.7980, -37.7780, -9.1860

Conversions

Conversions Part 2

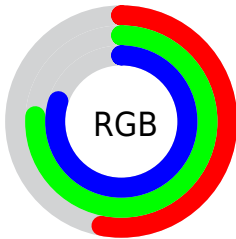
Format	Color
R _Y B	135, 166, 203
Decimal	8896971
CIE Lab	74.57, -16.21, -11.01
CIE LCh	75, 19.593, 214.177
Yxy	47.6026, 0.2638, 0.3152
Android (android.graphics.Color)	4287087051 (0xFF87C1CB)
YUV	176.7980, 12.9176, -36.6568
Hunter-Lab	68.9946, -17.6683, -6.3415

Details

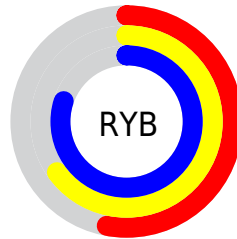
The Yxy color **47.6026, 0.2638, 0.3152** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.6914, 0.3859, 0.3422**, and the grayscale version is **43.8016, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.5384, 0.2747, 0.3236**, and **22.4290, 0.2506, 0.3099** is the 20% darker color. If you saturate the color by 10%, you get **44.7733, 0.2512, 0.3104**, and if you desaturate by 10%, it is **50.7833, 0.2776, 0.3197**.

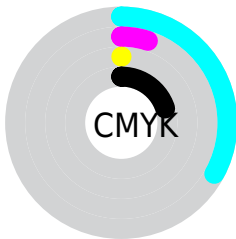
Distribution



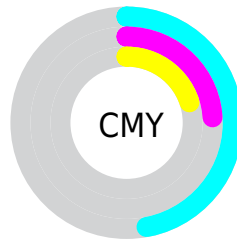
- Red (53%)
- Green (76%)
- Blue (80%)



- Red (53%)
- Yellow (65%)
- Blue (80%)



- Cyan (33%)
- Magenta (5%)
- Yellow (0%)
- Black (20%)





- Cyan (47%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6026, 0.2638, 0.3152 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 47.6026, 0.2638, 0.3152 by changing the saturation by 10% instead.


 47.6026, 0.2638,
0.3152

 47.6026, 0.2638,
0.3152


377.2148, 0.2878,
0.3225

 33.5123, 0.2580,
0.3133


 86.6124, 0.2724,
0.3179

 22.5192, 0.2506,
0.3107


 112.3007, 0.2757,
0.3189

 14.2389, 0.2409,
0.3072


 142.6238, 0.2784,
0.3198

 8.2870, 0.2278,
0.3022

177.9661, 0.2808,
0.3205

 4.2791, 0.2089,
0.2943

218.7119, 0.2829,
0.3211

 1.8309, 0.1799,
0.2806

265.2457, 0.2847,

 0.5063, 0.0437,

0.3216

0.2585

317.9518, 0.2863,
0.3221

0.0000, 0.0000,
0.0000

47.6026, 0.2638,
0.3152

47.6026, 0.2638,
0.3152

44.7733, 0.2512,
0.3104

50.7833, 0.2776,
0.3197

42.2711, 0.2400,
0.3055

54.3266, 0.2922,
0.3239

40.0778, 0.2305,
0.3003

58.2504, 0.3073,
0.3277

38.1706, 0.2229,
0.2951

62.5694, 0.3228,
0.3312

36.5233, 0.2172,
0.2899

67.2976, 0.3382,
0.3344

■ 35.1043, 0.2133,
0.2847

■ 72.1060, 0.3521,
0.3372

■ 34.2667, 0.2115,
0.2814

■ 73.6000, 0.3515,
0.3402

■ 75.1217, 0.3509,
0.3432

■ 76.6711, 0.3503,
0.3462

Harmonies

Analogous

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



47.6026, 0.2777, 0.3409



47.6026, 0.2638, 0.3152



47.6026, 0.2624, 0.2949

Triad

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



47.6026, 0.2638, 0.3152



47.6026, 0.3227, 0.2974



47.6026, 0.3522, 0.3746

Complementary

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



47.6026, 0.2638, 0.3152



34.6914, 0.3859, 0.3422

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.



47.6026, 0.3656, 0.3605



47.6026, 0.2638, 0.3152



47.6026, 0.3483, 0.3165

Square

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



47.6026, 0.2638, 0.3152



47.6026, 0.2954, 0.2859



47.6026, 0.3642, 0.3392



47.6026, 0.3284, 0.3765

Rectangle

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



47.6026, 0.2638, 0.3152



47.6026, 0.2685, 0.2869



47.6026, 0.3642, 0.3392



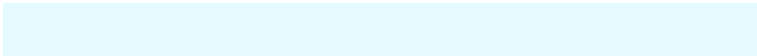
47.6026, 0.3581, 0.3711

Sweetspot

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



47.6045, 0.2638, 0.3152



93.1142, 0.2972, 0.3252



49.8737, 0.3022, 0.4143



19.7346, 0.2951, 0.3247



0.0000, 0.0000, 0.0000



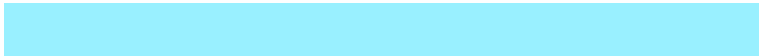
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6045, 0.2638, 0.3152



76.3243, 0.2548, 0.3119



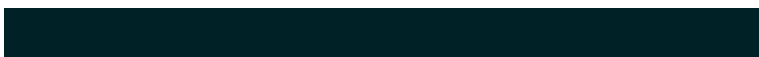
34.5803, 0.2577, 0.2674



12.4353, 0.2983, 0.3255



21.9142, 0.2117, 0.2821



1.2090, 0.2145, 0.2922

Inverse Universe

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



33.8743, 0.3263, 0.2576



50.3349, 0.3298, 0.2429



46.3095, 0.3722, 0.3836



11.3743, 0.3160, 0.3095



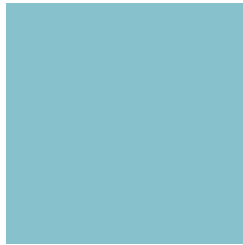
10.0152, 0.3615, 0.1765



0.5246, 0.3524, 0.1715

Previews

White Background



This preview shows how the Yxy color 47.6026, 0.2638, 0.3152 looks on a white background.

Color Contrast Check

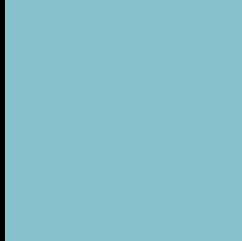
Large Text (above 18pt) WCAG AA × Fail

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 47.6026, 0.2638, 0.3152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

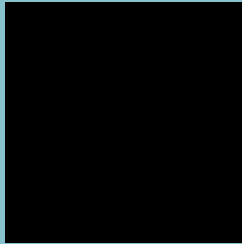
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

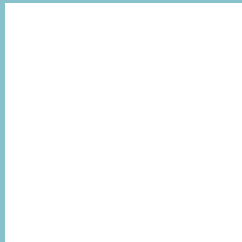
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.6026, 0.2638, 0.3152

Background



This preview shows how black text looks on a background with the Yxy color 47.6026, 0.2638, 0.3152.

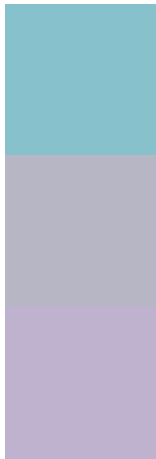


This preview shows how white text looks on a background with the Yxy color 47.6026, 0.2638, 0.3152.

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

47.6026, 0.2638, 0.3152

Protanopia

47.3865, 0.3019, 0.3111

Deuteranopia

47.2442, 0.3009, 0.2943



Tritanopia

47.4876, 0.2613, 0.3072

Trichromacy



Original Color

47.6026, 0.2638, 0.3152

Protanomaly

47.2407, 0.2864, 0.3118

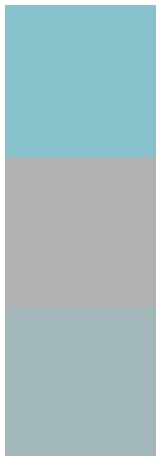
Deuteranomaly

46.8208, 0.2858, 0.3005

Tritanomaly

47.3897, 0.2624, 0.3098

Monochromacy



Original Color

47.6026, 0.2638, 0.3152

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.0935, 0.2932, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6026, 0.2638, 0.3152 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(135, 193, 203)` looks like.

```
.text, #text, p{  
    color:rgb(135, 193, 203)  
}
```

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(135, 193, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 193, 203) }
```

Border

The CSS property to change the border of an element to Yxy 47.6026, 0.2638, 0.3152 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(135, 193, 203) }
```

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

```
.border{ border-color:rgb(135, 193, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 193, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 193, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 193, 203);  
box-shadow:4px 4px 4px 4px rgb(135, 193,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6026, 0.2638, 0.3152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 193, 203) }
```

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

```
.background{ background-color: rgb(135,  
193, 203) }
```

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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