

Converting Colors

$Y_{xy}(40.7386, 0.2586, 0.2999)$

Have a look what the booklet for
Yxy(40.7386, 0.2586, 0.2999)
contains.

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Color

Yxy(40.8757, 0.2584, 0.3003)

Conversions

Conversions Part 1

Format	Color
Hex	7FB3C7
RGB	127, 179, 199
RGB Percent	50%, 70%, 78%
CMY	0.5023, 0.2980, 0.2196
CMYK	0.36, 0.10, 0.00, 0.22
HSL	197°, 39%, 64%
HSV	197°, 36%, 78%
XYZ	35.1724, 40.8757, 60.0681
YIQ	165.7320, -37.4120, -4.8040

Conversions

Conversions Part 2

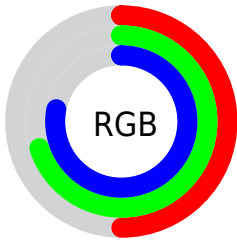
Format	Color
R _Y B	127, 157, 199
Decimal	8369095
CIE Lab	70.09, -12.10, -15.60
CIE LCh	70, 19.745, 232.199
Yxy	40.8757, 0.2584, 0.3003
Android (android.graphics.Color)	4286559175 (0xFF7FB3C7)
YUV	165.7320, 16.4011, -33.9680
Hunter-Lab	63.9341, -13.6855, -10.9509

Details

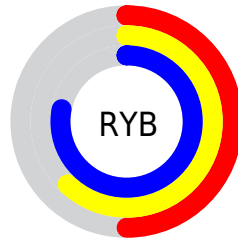
The Yxy color **40.8757, 0.2584, 0.3003** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5106, 0.3895, 0.3557**, and the grayscale version is **37.9235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5817, 0.2688, 0.3070**, and **18.4219, 0.2430, 0.2908** is the 20% darker color. If you saturate the color by 10%, you get **37.3307, 0.2448, 0.2909**, and if you desaturate by 10%, it is **44.8141, 0.2729, 0.3091**.

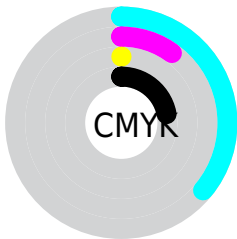
Distribution



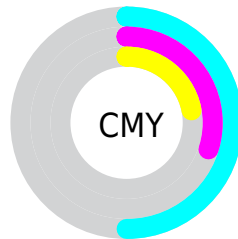
- Red (50%)
- Green (70%)
- Blue (78%)



- Red (50%)
- Yellow (62%)
- Blue (78%)



- Cyan (36%)
- Magenta (10%)
- Yellow (0%)
- Black (22%)



- Cyan (50%)
- Magenta (30%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8757, 0.2584, 0.3003 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 40.8757, 0.2584, 0.3003 by changing the saturation by 10% instead.

■ 40.8757, 0.2584,
0.3003

■ 40.8757, 0.2584,
0.3003

■ 349.8008, 0.2856,
0.3153

■ 28.2220, 0.2516,
0.2963

■ 76.4952, 0.2683,
0.3059

■ 18.4931, 0.2429,
0.2912

■ 100.2297, 0.2720,
0.3080

■ 11.3045, 0.2315,
0.2841

■ 128.4266, 0.2751,
0.3097

■ 6.2721, 0.2156,
0.2739

■ 161.4703, 0.2778,
0.3112

■ 3.0112, 0.1923,
0.2580

■ 199.7452, 0.2802,
0.3124

■ 1.1376, 0.1554,
0.2307

■ 243.6356, 0.2822,

■ 0.0098, 0.0000,

0.3135

0.0088

293.5261, 0.2840,
0.3145

0.0000, 0.0000,
0.0000

40.8757, 0.2584,
0.3003

40.8757, 0.2584,
0.3003

37.3307, 0.2448,
0.2909

44.8141, 0.2729,
0.3091

34.1553, 0.2324,
0.2810

49.1585, 0.2879,
0.3173

31.3305, 0.2216,
0.2708

53.9267, 0.3032,
0.3247

28.8329, 0.2126,
0.2604

59.1338, 0.3185,
0.3315

26.6356, 0.2056,
0.2500

64.7943, 0.3335,
0.3375

■ 24.7043, 0.2005,
0.2396

■ 70.9218, 0.3481,
0.3429

■ 24.0190, 0.1988,
0.2358

■ 75.3380, 0.3536,
0.3481

■ 78.2408, 0.3525,
0.3536

■ 81.2398, 0.3513,
0.3591

Harmonies

Analogous

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



40.8757, 0.2653, 0.3249



40.8757, 0.2584, 0.3003



40.8757, 0.2651, 0.2850

Triad

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



40.8757, 0.2584, 0.3003



40.8757, 0.3404, 0.3070



40.8757, 0.3403, 0.3805

Complementary

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



40.8757, 0.2584, 0.3003



34.5106, 0.3895, 0.3557

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.



40.8757, 0.3619, 0.3726



40.8757, 0.2584, 0.3003



40.8757, 0.3623, 0.3300

Square

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



40.8757, 0.2584, 0.3003



40.8757, 0.3115, 0.2896



40.8757, 0.3702, 0.3538



40.8757, 0.3119, 0.3732

Rectangle

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



40.8757, 0.2584, 0.3003



40.8757, 0.2766, 0.2814



40.8757, 0.3702, 0.3538



40.8757, 0.3486, 0.3794

Sweetspot

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



40.8773, 0.2584, 0.3003



90.2012, 0.2956, 0.3211



47.4328, 0.2952, 0.4075



19.0624, 0.2935, 0.3201



0.0000, 0.0000, 0.0000



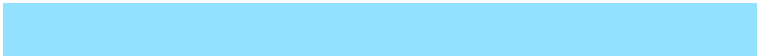
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8773, 0.2584, 0.3003



66.9070, 0.2482, 0.2934



28.4981, 0.2510, 0.2468



11.5512, 0.2984, 0.3224



15.5981, 0.1992, 0.2372



0.8556, 0.2052, 0.2586

Inverse Universe

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



30.5567, 0.3376, 0.2627



47.0325, 0.3444, 0.2494



47.2030, 0.3735, 0.3994



10.7645, 0.3179, 0.3124



9.1146, 0.4052, 0.2006



0.4434, 0.3838, 0.1888

Previews

White Background



This preview shows how the Yxy color 40.8757, 0.2584, 0.3003 looks on a white background.

Color Contrast Check

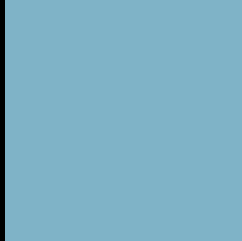
Large Text (above 18pt) WCAG AA × Fail

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 40.8757, 0.2584, 0.3003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

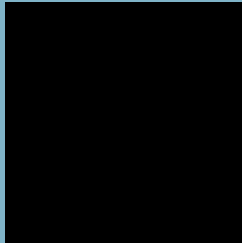
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8757, 0.2584, 0.3003

Background



This preview shows how black text looks on a background with the Yxy color 40.8757, 0.2584, 0.3003.



This preview shows how white text looks on a background with the Yxy color 40.8757, 0.2584, 0.3003.

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

40.8757, 0.2584, 0.3003

Protanopia

40.4417, 0.2915, 0.2966

Deuteranopia

40.6724, 0.2887, 0.2830



Tritanopia

40.9732, 0.2611, 0.3086

Trichromacy



Original Color

40.8757, 0.2584, 0.3003

Protanomaly

40.5027, 0.2781, 0.2985

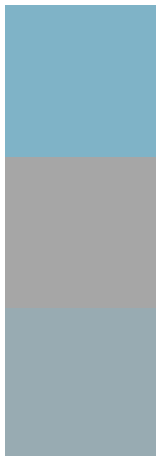
Deuteranomaly

40.4108, 0.2768, 0.2882

Tritanomaly

41.0637, 0.2599, 0.3058

Monochromacy



Original Color

40.8757, 0.2584, 0.3003

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.0156, 0.2906, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8757, 0.2584, 0.3003 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, 179, 199)` looks like.

```
.text, #text, p{  
    color:rgb(127, 179, 199)  
}
```

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, 179, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 179, 199) }
```

Border

The CSS property to change the border of an element to Yxy 40.8757, 0.2584, 0.3003 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, 179, 199) }
```

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

```
.border{ border-color:rgb(127, 179, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 179, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 179, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 179, 199);  
box-shadow:4px 4px 4px 4px rgb(127, 179,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8757, 0.2584, 0.3003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 179, 199) }
```

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

```
.background{ background-color: rgb(127,  
179, 199) }
```

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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