

Converting Colors

$Y_{xy}(40.1270, 0.2757, 0.3709)$

Have a look what the booklet for
Yxy(40.1270, 0.2757, 0.3709)
contains.

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Color

Yxy(40.0948, 0.2759, 0.3714)

Conversions

Conversions Part 1

Format	Color
Hex	6FB89D
RGB	111, 184, 157
RGB Percent	44%, 72%, 62%
CMY	0.5646, 0.2784, 0.3842
CMYK	0.40, 0.00, 0.15, 0.28
HSL	158°, 34%, 58%
HSV	158°, 40%, 72%
XYZ	29.7850, 40.0948, 38.0760
YIQ	159.0950, -34.8410, -23.8730

Conversions

Conversions Part 2

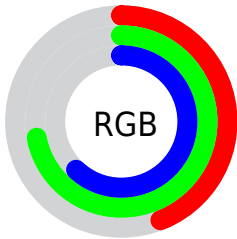
Format	Color
RYB	111, 156, 184
Decimal	7321757
CIELab	69.54, -29.08, 6.57
CIELCh	70, 29.810, 167.263
Yxy	40.0948, 0.2759, 0.3714
Android (android.graphics.Color)	4285511837 (0xFF6FB89D)
YUV	159.0950, -1.0328, -42.1793
Hunter-Lab	63.3205, -26.8470, 8.6719

Details

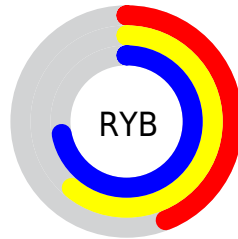
The Yxy color **40.0948, 0.2759, 0.3714** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **23.3989, 0.3736, 0.2910**, and the grayscale version is **34.7369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0730, 0.2825, 0.3621**, and **18.1727, 0.2645, 0.3857** is the 20% darker color. If you saturate the color by 10%, you get **38.7970, 0.2689, 0.3844**, and if you desaturate by 10%, it is **41.6546, 0.2841, 0.3593**.

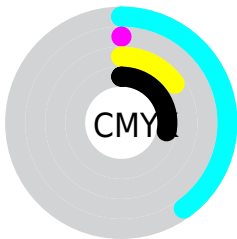
Distribution



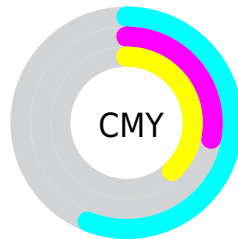
- Red (44%)
- Green (72%)
- Blue (62%)



- Red (44%)
- Yellow (61%)
- Blue (72%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (28%)





- Cyan (56%)
- Magenta (28%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0948, 0.2759, 0.3714 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 40.0948, 0.2759, 0.3714 by changing the saturation by 10% instead.


 40.0948, 0.2759,
0.3714


 40.0948, 0.2759,
0.3714

346.5230, 0.2950,
0.3491


 27.6125, 0.2709,
0.3774


 75.3078, 0.2830,
0.3630


 18.0337, 0.2643,
0.3852

 98.8074, 0.2856,
0.3600

 10.9742, 0.2553,
0.3962


 126.7480, 0.2878,
0.3574

 6.0495, 0.2423,
0.4123

 159.5143, 0.2897,
0.3552

 2.8752, 0.2217,
0.4386

197.4905, 0.2913,
0.3534

 1.0669, 0.1432,
0.5203

241.0611, 0.2927,

 0.0000, 0.0000,

0.3518

0.0000

290.6105, 0.2939,
0.3504

■ 40.0948, 0.2759,
0.3714

■ 40.0948, 0.2759,
0.3714

■ 38.7970, 0.2689,
0.3844

■ 41.6546, 0.2841,
0.3593

■ 37.7410, 0.2633,
0.3980

■ 43.4858, 0.2933,
0.3481

■ 36.9112, 0.2595,
0.4120


■ 45.6028, 0.3030,
0.3379

■ 36.2883, 0.2577,
0.4263


■ 48.0181, 0.3131,
0.3287


■ 35.8494, 0.2578,
0.4405


■ 50.7430, 0.3233,
0.3205


 35.5503, 0.2596,
0.4544

 53.7884, 0.3334,
0.3132

 35.5409, 0.2597,
0.4548

 57.1647, 0.3434,
0.3068

 60.2656, 0.3504,
0.3009

 60.6150, 0.3448,
0.2941

Harmonies

Analogous

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



40.0948, 0.3176, 0.4015



40.0948, 0.2759, 0.3714



40.0948, 0.2454, 0.3286

Triad

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



40.0948, 0.2759, 0.3714



40.0948, 0.2637, 0.2584



40.0948, 0.4002, 0.3587

Complementary

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



40.0948, 0.2759, 0.3714



23.3989, 0.3736, 0.2910

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.



40.0948, 0.3842, 0.3234



40.0948, 0.2759, 0.3714



40.0948, 0.3029, 0.2680

Square

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



40.0948, 0.2759, 0.3714



40.0948, 0.2390, 0.2653



40.0948, 0.3475, 0.2912



40.0948, 0.3906, 0.3898

Rectangle

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



40.0948, 0.2759, 0.3714



40.0948, 0.2346, 0.3014



40.0948, 0.3475, 0.2912



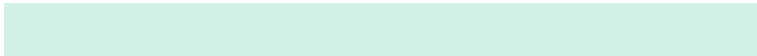
40.0948, 0.3976, 0.3470

Sweetspot

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



40.0964, 0.2759, 0.3714



81.6440, 0.3005, 0.3404



40.9173, 0.3300, 0.4404



17.4915, 0.2992, 0.3417



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.0964, 0.2759, 0.3714



70.5157, 0.2694, 0.3832



37.6906, 0.2567, 0.3158



10.1528, 0.3033, 0.3376



24.5089, 0.2592, 0.4531



0.8755, 0.2492, 0.4172

Inverse Universe

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



23.3989, 0.3736, 0.2910



35.8467, 0.3950, 0.2825



24.6600, 0.4057, 0.3415



9.0657, 0.3231, 0.3206



7.3236, 0.5467, 0.2786



0.2703, 0.4757, 0.2394

Previews

White Background



This preview shows how the Yxy color 40.0948, 0.2759, 0.3714 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 40.0948, 0.2759, 0.3714 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 40.0948, 0.2759, 0.3714

Background



This preview shows how black text looks on a background with the Yxy color 40.0948, 0.2759, 0.3714.



This preview shows how white text looks on a background with the Yxy color 40.0948, 0.2759, 0.3714.

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

40.0948, 0.2759, 0.3714

Protanopia

39.5223, 0.3379, 0.3555

Deuteranopia

39.4590, 0.3386, 0.3318



Tritanopia

40.0835, 0.2576, 0.3083

Trichromacy



Original Color

40.0948, 0.2759, 0.3714

Protanomaly

39.3114, 0.3121, 0.3615

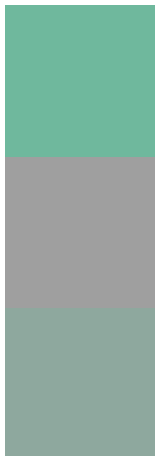
Deuteranomaly

39.1375, 0.3120, 0.3449

Tritanomaly

40.1249, 0.2643, 0.3304

Monochromacy



Original Color

40.0948, 0.2759, 0.3714

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.2247, 0.2977, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0948, 0.2759, 0.3714 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(111, 184, 157)` looks like.

```
.text, #text, p{  
    color:rgb(111, 184, 157)  
}
```

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(111, 184, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 184, 157) }
```

Border

The CSS property to change the border of an element to Yxy 40.0948, 0.2759, 0.3714 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(111, 184, 157) }
```

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

```
.border{ border-color:rgb(111, 184, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 184, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 184, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 184, 157);  
box-shadow:4px 4px 4px 4px rgb(111, 184,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0948, 0.2759, 0.3714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 184, 157) }
```

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

```
.background{ background-color: rgb(111,  
184, 157) }
```

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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