

Converting Colors

$Yxy(40.9345, 0.2970, 0.4380)$

Have a look what the booklet for
Yxy(40.9345, 0.2970, 0.4380)
contains.

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Color

Yxy(40.9261, 0.2969, 0.4375)

Conversions

Conversions Part 1

Format	Color
Hex	6BBD7A
RGB	107, 189, 122
RGB Percent	42%, 74%, 48%
CMY	0.5804, 0.2588, 0.5216
CMYK	0.43, 0.00, 0.35, 0.26
HSL	131°, 38%, 58%
HSV	131°, 43%, 74%
XYZ	27.7736, 40.9261, 24.8457
YIQ	156.8440, -27.3650, -38.2210

Conversions

Conversions Part 2

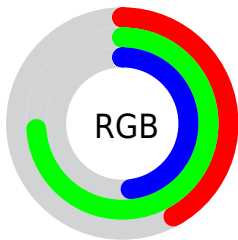
Format	Color
RYB	107, 176, 189
Decimal	7060858
CIELab	70.12, -39.43, 26.27
CIElCh	70, 47.383, 146.323
Yxy	40.9261, 0.2969, 0.4375
Android (android.graphics.Color)	4285250938 (0xFF6BBD7A)
YUV	156.8440, -17.1781, -43.7132
Hunter-Lab	63.9735, -34.4592, 21.7548

Details

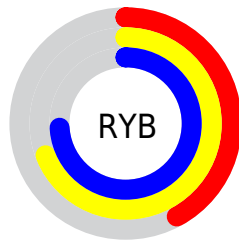
The Yxy color $40.9261, 0.2969, 0.4375$ is a dark color, and the websafe version is hex $66CC99$. A complement of this color would be $24.3917, 0.3347, 0.2409$, and the grayscale version is $33.7317, 0.3127, 0.3290$.

A 20% lighter version of the original color is $76.6881, 0.3010, 0.4152$, and $18.5259, 0.2893, 0.4764$ is the 20% darker color. If you saturate the color by 10%, you get $39.5286, 0.2942, 0.4678$, and if you desaturate by 10%, it is $42.6439, 0.3002, 0.4085$.

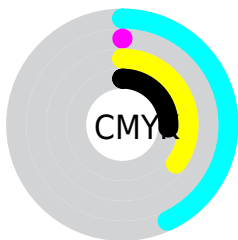
Distribution



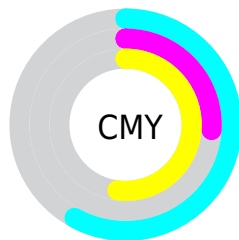
- Red (42%)
- Green (74%)
- Blue (48%)



- Red (42%)
- Yellow (69%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (26%)





- Cyan (58%)
- Magenta (26%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9261, 0.2969, 0.4375 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 40.9261, 0.2969, 0.4375 by changing the saturation by 10% instead.


 40.9261, 0.2969,
0.4375


 40.9261, 0.2969,
0.4375


350.0117, 0.3068,
0.3788

 28.2613, 0.2937,
0.4536


 76.5717, 0.3010,
0.4151


 18.5228, 0.2890,
0.4752


 100.3213, 0.3024,
0.4070

 11.3259, 0.2817,
0.5055


 128.5347, 0.3035,
0.4003

 6.2865, 0.2696,
0.5505

 161.5962, 0.3044,
0.3946

 3.0201, 0.2488,
0.6286

199.8903, 0.3052,
0.3898

 1.1422, 0.0825,
0.9175

243.8013, 0.3058,

 0.0137, 0.0000,

0.3856

1.0000

293.7136, 0.3063,
0.3820

0.0000, 0.0000,
0.0000

40.9261, 0.2969,
0.4375

40.9261, 0.2969,
0.4375

39.5286, 0.2942,
0.4678

42.6439, 0.3002,
0.4085

38.4266, 0.2925,
0.4982

44.6948, 0.3038,
0.3816

37.5997, 0.2918,
0.5269


47.0973, 0.3076,
0.3573


37.0229, 0.2923,
0.5523


49.8669, 0.3114,
0.3357

36.6663, 0.2940,
0.5726


53.0181, 0.3152,
0.3167

 36.5155, 0.2953,
0.5829

 56.5648, 0.3187,
0.3002

 60.5201, 0.3221,
0.2858

 64.2833, 0.3227,
0.2729

 64.8768, 0.3157,
0.2644

Harmonies

Analogous

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



40.9261, 0.3637, 0.4557



40.9261, 0.2969, 0.4375



40.9261, 0.2379, 0.3767

Triad

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



40.9261, 0.2969, 0.4375



40.9261, 0.2097, 0.2261



40.9261, 0.4378, 0.3328

Complementary

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



40.9261, 0.2969, 0.4375



24.3917, 0.3347, 0.2409

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.



40.9261, 0.3870, 0.2842



40.9261, 0.2969, 0.4375



40.9261, 0.2527, 0.2254

Square

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



40.9261, 0.2969, 0.4375



40.9261, 0.1921, 0.2519



40.9261, 0.3168, 0.2462



40.9261, 0.4491, 0.3849

Rectangle

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



40.9261, 0.2969, 0.4375



40.9261, 0.2105, 0.3278



40.9261, 0.3168, 0.2462



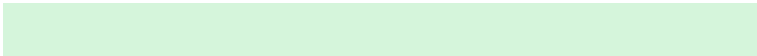
40.9261, 0.4246, 0.3159

Sweetspot

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



40.9278, 0.2969, 0.4375



84.4300, 0.3077, 0.3569



46.6114, 0.3639, 0.4394



17.9391, 0.3068, 0.3621



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.



40.9278, 0.2969, 0.4375



70.9172, 0.2944, 0.4661



42.1197, 0.2712, 0.3714



10.6774, 0.3092, 0.3483



24.5761, 0.2948, 0.5812



0.9715, 0.2830, 0.5388

Inverse Universe

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



24.3917, 0.3347, 0.2409



37.4655, 0.3409, 0.2236



23.0659, 0.3862, 0.2914



9.6655, 0.3165, 0.3104



8.8694, 0.3726, 0.1826



0.3553, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 40.9261, 0.2969, 0.4375 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 40.9261, 0.2969, 0.4375 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 40.9261, 0.2969, 0.4375

Background



This preview shows how black text looks on a background with the Yxy color 40.9261, 0.2969, 0.4375.



This preview shows how white text looks on a background with the Yxy color 40.9261, 0.2969, 0.4375.

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

40.9261, 0.2969, 0.4375

Protanopia

40.2786, 0.3764, 0.4051

Deuteranopia

40.1704, 0.3830, 0.3745



Tritanopia

40.7936, 0.2585, 0.3071

Trichromacy



Original Color

40.9261, 0.2969, 0.4375



Protanomaly

39.8967, 0.3437, 0.4176



Deuteranomaly

39.2269, 0.3474, 0.3955



Tritanomaly

40.4760, 0.2725, 0.3519

Monochromacy



Original Color

40.9261, 0.2969, 0.4375



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

35.8785, 0.3064, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9261, 0.2969, 0.4375 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(107, 189, 122)` looks like.

```
.text, #text, p{  
    color:rgb(107, 189, 122)  
}
```

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(107, 189, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 189, 122) }
```

Border

The CSS property to change the border of an element to Yxy 40.9261, 0.2969, 0.4375 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(107, 189, 122) }
```

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

```
.border{ border-color:rgb(107, 189, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 189, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 189, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 189, 122);  
box-shadow:4px 4px 4px 4px rgb(107, 189,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9261, 0.2969, 0.4375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 189, 122) }
```

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

```
.background{ background-color: rgb(107,  
189, 122) }
```

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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