

Converting Colors

$Yxy(40.7359, 0.3020, 0.4507)$

Have a look what the booklet for
Yxy(40.7359, 0.3020, 0.4507)
contains.

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Color

Yxy(40.7359, 0.3020, 0.4507)

Conversions

Conversions Part 1

Format	Color
Hex	6BBD72
RGB	107, 189, 114
RGB Percent	42%, 74%, 45%
CMY	0.5805, 0.2588, 0.5528
CMYK	0.43, 0.00, 0.40, 0.26
HSL	125°, 38%, 58%
HSV	125°, 43%, 74%
XYZ	27.2959, 40.7359, 22.3519
YIQ	155.9320, -24.7970, -40.7090

Conversions

Conversions Part 2

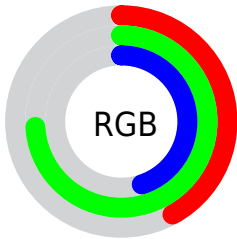
Format	Color
RYB	107, 183, 189
Decimal	7060850
CIELab	69.99, -40.77, 30.28
CIELCh	70, 50.782, 143.400
Yxy	40.7359, 0.3020, 0.4507
Android (android.graphics.Color)	4285250930 (0xFF6BBD72)
YUV	155.9320, -20.6725, -42.9134
Hunter-Lab	63.8247, -35.3542, 23.9135

Details

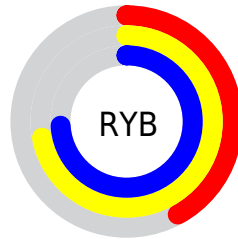
The Yxy color **40.7359, 0.3020, 0.4507** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **24.7018, 0.3255, 0.2318**, and the grayscale version is **33.3137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3829, 0.3053, 0.4252**, and **18.4397, 0.2946, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **39.3348, 0.2999, 0.4840**, and if you desaturate by 10%, it is **42.4706, 0.3044, 0.4183**.

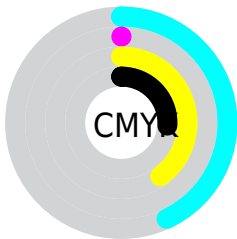
Distribution



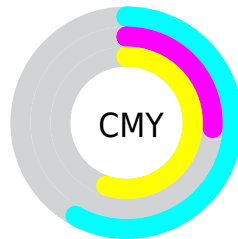
- Red (42%)
- Green (74%)
- Blue (45%)



- Red (42%)
- Yellow (72%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (40%)
- Black (26%)





- Cyan (58%)
- Magenta (26%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7359, 0.3020, 0.4507 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 40.7359, 0.3020, 0.4507 by changing the saturation by 10% instead.


 40.7359, 0.3020,
0.4507


 40.7359, 0.3020,
0.4507


349.2156, 0.3098,
0.3847


 28.1128, 0.2991,
0.4689


 76.2828, 0.3055,
0.4255


 18.4107, 0.2947,
0.4931


 99.9754, 0.3066,
0.4164

 11.2452, 0.2875,
0.5270

 128.1266, 0.3075,
0.4088

 6.2320, 0.2748,
0.5768

 161.1208, 0.3081,
0.4025

 2.9867, 0.2575,
0.6762

199.3424, 0.3087,
0.3970

 1.1248, 0.0474,
0.9526

243.1758, 0.3091,

 0.0000, 0.0000,

0.3923

0.0000

293.0054, 0.3095,
0.3883

■ 40.7359, 0.3020,
0.4507

■ 40.7359, 0.3020,
0.4507

■ 39.3348, 0.2999,
0.4840

■ 42.4706, 0.3044,
0.4183

■ 38.2413, 0.2984,
0.5165

■ 44.5532, 0.3069,
0.3882

■ 37.4335, 0.2975,
0.5459


■ 47.0029, 0.3094,
0.3608


■ 36.8846, 0.2974,
0.5700

■ 49.8364, 0.3119,
0.3366

■ 36.5625, 0.2980,
0.5870

■ 53.0691, 0.3142,
0.3153

 36.4370, 0.2984,
0.5944

 56.7157, 0.3164,
0.2969

 60.7902, 0.3184,
0.2810

 64.7002, 0.3178,
0.2669

 64.8787, 0.3157,
0.2644

Harmonies

Analogous

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



40.7359, 0.3730, 0.4641



40.7359, 0.3020, 0.4507



40.7359, 0.2377, 0.3879

Triad

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



40.7359, 0.3020, 0.4507



40.7359, 0.2002, 0.2209



40.7359, 0.4434, 0.3270

Complementary

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



40.7359, 0.3020, 0.4507



24.7018, 0.3255, 0.2318

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.



40.7359, 0.3854, 0.2765



40.7359, 0.3020, 0.4507



40.7359, 0.2429, 0.2180

Square

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



40.7359, 0.3020, 0.4507



40.7359, 0.1843, 0.2505



40.7359, 0.3094, 0.2380



40.7359, 0.4595, 0.3820

Rectangle

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



40.7359, 0.3020, 0.4507



40.7359, 0.2071, 0.3347



40.7359, 0.3094, 0.2380



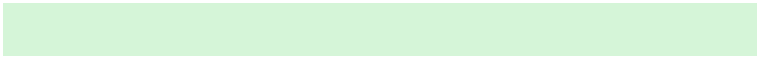
40.7359, 0.4279, 0.3093

Sweetspot

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



40.7376, 0.3020, 0.4507



84.2697, 0.3095, 0.3603



47.4253, 0.3702, 0.4369



17.8999, 0.3089, 0.3661



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.



40.7376, 0.3020, 0.4507



70.5717, 0.3000, 0.4821



41.8826, 0.2755, 0.3826



10.6626, 0.3105, 0.3506



24.5185, 0.2981, 0.5933



0.9650, 0.2915, 0.5693

Inverse Universe

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



24.7018, 0.3255, 0.2318



38.1477, 0.3288, 0.2132



23.2544, 0.3768, 0.2821



9.6817, 0.3150, 0.3083



9.3075, 0.3435, 0.1666



0.3688, 0.3375, 0.1633

Previews

White Background



This preview shows how the Yxy color 40.7359, 0.3020, 0.4507 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 40.7359, 0.3020, 0.4507 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 40.7359, 0.3020, 0.4507

Background



This preview shows how black text looks on a background with the Yxy color 40.7359, 0.3020, 0.4507.



This preview shows how white text looks on a background with the Yxy color 40.7359, 0.3020, 0.4507.

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

40.7359, 0.3020, 0.4507

Protanopia

40.1253, 0.3824, 0.4142

Deuteranopia

40.1070, 0.3916, 0.3845



Tritanopia

40.4203, 0.2596, 0.3071

Trichromacy



Original Color

40.7359, 0.3020, 0.4507



Protanomaly

39.7382, 0.3492, 0.4278



Deuteranomaly

39.0285, 0.3542, 0.4071



Tritanomaly

40.4351, 0.2751, 0.3566

Monochromacy



Original Color

40.7359, 0.3020, 0.4507



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

35.3316, 0.3080, 0.3715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7359, 0.3020, 0.4507 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, 114)` looks like.

```
.text, #text, p{  
    color:rgb(107, 189, 114)  
}
```

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, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 189, 114) }
```

Border

The CSS property to change the border of an element to Yxy 40.7359, 0.3020, 0.4507 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, 114) }
```

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

```
.border{ border-color:rgb(107, 189, 114) }
```

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, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 189, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 189, 114);  
box-shadow:4px 4px 4px 4px rgb(107, 189,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7359, 0.3020, 0.4507 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, 114) }
```

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

```
.background{ background-color: rgb(107,  
189, 114) }
```

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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