

Converting Colors

$Y_{xy}(40.7494, 0.3592, 0.4413)$

Have a look what the booklet for
Yxy(40.7494, 0.3592, 0.4413)
contains.

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Color

Yxy(40.7569, 0.3591, 0.4413)

Conversions

Conversions Part 1

Format	Color
Hex	A1B365
RGB	161, 179, 101
RGB Percent	63%, 70%, 40%
CMY	0.3687, 0.2980, 0.6039
CMYK	0.10, 0.00, 0.44, 0.30
HSL	74°, 34%, 55%
HSV	74°, 44%, 70%
XYZ	33.1652, 40.7569, 18.4343
YIQ	164.7260, 14.3100, -28.0740

Conversions

Conversions Part 2

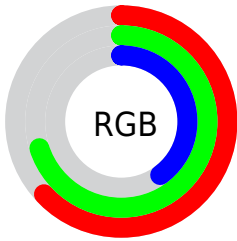
Format	Color
RYB	101, 179, 119
Decimal	10597221
CIELab	70.01, -18.71, 37.64
CIElCh	70, 42.034, 116.423
Yxy	40.7569, 0.3591, 0.4413
Android (android.graphics.Color)	4288787301 (0xFFA1B365)
YUV	164.7260, -31.4169, -3.2677
Hunter-Lab	63.8411, -18.9920, 27.5686

Details

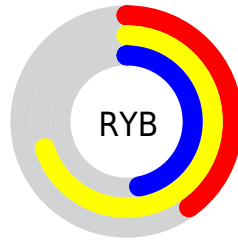
The Yxy color **40.7569, 0.3591, 0.4413** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **16.4902, 0.2499, 0.2019**, and the grayscale version is **37.6372, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4683, 0.3519, 0.4200**, and **18.3578, 0.3690, 0.4748** is the 20% darker color. If you saturate the color by 10%, you get **40.0225, 0.3676, 0.4662**, and if you desaturate by 10%, it is **41.5856, 0.3492, 0.4151**.

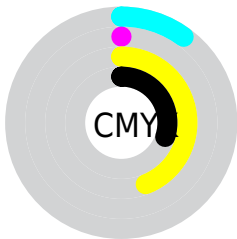
Distribution



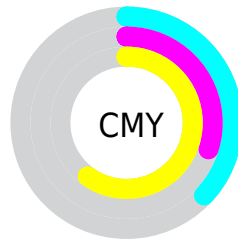
- Red (63%)
- Green (70%)
- Blue (40%)



- Red (40%)
- Yellow (70%)
- Blue (47%)



- Cyan (10%)
- Magenta (0%)
- Yellow (44%)
- Black (30%)




- Cyan (37%)
- Magenta (30%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7569, 0.3591, 0.4413 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 40.7569, 0.3591, 0.4413 by changing the saturation by 10% instead.


 40.7569, 0.3591,
0.4413


 40.7569, 0.3591,
0.4413


349.3036, 0.3374,
0.3826


 28.1292, 0.3637,
0.4564


 76.3147, 0.3518,
0.4195


 18.4231, 0.3688,
0.4759


 100.0136, 0.3488,
0.4115

 11.2541, 0.3743,
0.5016


 128.1717, 0.3463,
0.4047

 6.2380, 0.3788,
0.5365

 161.1733, 0.3441,
0.3990

 2.9904, 0.3927,
0.6073

199.4030, 0.3421,
0.3940

 1.1267, 0.3460,
0.6540

243.2449, 0.3403,

 0.0006, 0.0000,

0.3897

1.0000

293.0837, 0.3388,
0.3859

0.0000, 0.0000,
0.0000

40.7569, 0.3591,
0.4413

40.7569, 0.3591,
0.4413

40.0225, 0.3676,
0.4662

41.5856, 0.3492,
0.4151

39.3717, 0.3743,
0.4886

42.5079, 0.3386,
0.3886

38.8007, 0.3788,
0.5076


43.5298, 0.3276,
0.3625


38.3029, 0.3808,
0.5223

44.6555, 0.3166,
0.3376


37.8703, 0.3803,
0.5324

45.8886, 0.3059,
0.3141

 37.6160, 0.3791,
0.5372

 47.2329, 0.2957,
0.2924

 48.6918, 0.2860,
0.2725

 50.2684, 0.2771,
0.2544

 51.4985, 0.2732,
0.2446

Harmonies

Analogous

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



40.7569, 0.4092, 0.4215



40.7569, 0.3591, 0.4413



40.7569, 0.2992, 0.4240

Triad

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



40.7569, 0.3591, 0.4413



40.7569, 0.2038, 0.2605



40.7569, 0.3791, 0.2891

Complementary

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



40.7569, 0.3591, 0.4413



16.4902, 0.2499, 0.2019

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.



40.7569, 0.3169, 0.2544



40.7569, 0.3591, 0.4413



40.7569, 0.2200, 0.2364

Square

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



40.7569, 0.3591, 0.4413



40.7569, 0.2125, 0.3082



40.7569, 0.2593, 0.2354



40.7569, 0.4239, 0.3337

Rectangle

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



40.7569, 0.3591, 0.4413



40.7569, 0.2620, 0.3914



40.7569, 0.2593, 0.2354



40.7569, 0.3591, 0.2761

Sweetspot

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



40.7587, 0.3591, 0.4413



78.0203, 0.3272, 0.3616



23.4612, 0.4136, 0.3540



17.1928, 0.3296, 0.3672



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.7587, 0.3591, 0.4413



71.7581, 0.3671, 0.4645



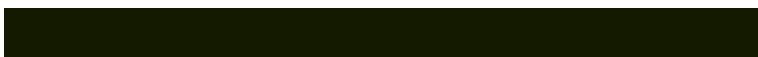
37.4026, 0.3243, 0.4551



9.8057, 0.3229, 0.3517



26.6090, 0.3796, 0.5368



0.8615, 0.3913, 0.5275

Inverse Universe

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



16.4902, 0.2499, 0.2019



22.7941, 0.2331, 0.1715



19.7245, 0.2917, 0.2157



8.3218, 0.3020, 0.3057



2.6635, 0.1637, 0.0676



0.1104, 0.1928, 0.0836

Previews

White Background



This preview shows how the Yxy color 40.7569, 0.3591, 0.4413 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 40.7569, 0.3591, 0.4413 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

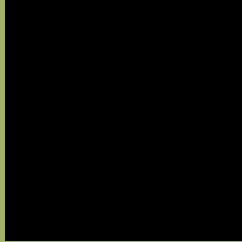
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.7569, 0.3591, 0.4413

Background



This preview shows how black text looks on a background with the Yxy color 40.7569, 0.3591, 0.4413.



This preview shows how white text looks on a background with the Yxy color 40.7569, 0.3591, 0.4413.

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

40.7569, 0.3591, 0.4413

Protanopia

40.5725, 0.3912, 0.4259

Deuteranopia

40.4797, 0.4103, 0.4014



Tritanopia

40.8263, 0.3029, 0.3113

Trichromacy



Original Color

40.7569, 0.3591, 0.4413

Protanomaly

40.6379, 0.3797, 0.4316

Deuteranomaly

40.3226, 0.3904, 0.4152

Tritanomaly

40.4025, 0.3241, 0.3574

Monochromacy



Original Color

40.7569, 0.3591, 0.4413

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.5950, 0.3312, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7569, 0.3591, 0.4413 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(161, 179, 101)` looks like.

```
.text, #text, p{  
    color:rgb(161, 179, 101)  
}
```

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(161, 179, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 179, 101) }
```

Border

The CSS property to change the border of an element to Yxy 40.7569, 0.3591, 0.4413 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(161, 179, 101) }
```

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

```
.border{ border-color:rgb(161, 179, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 179, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 179, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 179, 101);  
box-shadow:4px 4px 4px 4px rgb(161, 179,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7569, 0.3591, 0.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 179, 101) }
```

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

```
.background{ background-color: rgb(161,  
179, 101) }
```

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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