

Converting Colors

$Y_{xy}(40.9221, 0.3501, 0.5602)$

Have a look what the booklet for
Yxy(40.9221, 0.3501, 0.5602)
contains.

Yxy(40.8390, 0.3505, 0.5599)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(40.8390, 0.3505, 0.5599)

Conversions

Conversions Part 1

Format	Color
Hex	72BF00
RGB	114, 191, 0
RGB Percent	45%, 75%, 0%
CMY	0.5531, 0.2509, 0.9999
CMYK	0.40, 0.00, 1.00, 0.25
HSL	84°, 100%, 37%
HSV	84°, 100%, 75%
XYZ	25.5654, 40.8390, 6.5354
YIQ	146.2030, 15.4190, -75.7250

Conversions

Conversions Part 2

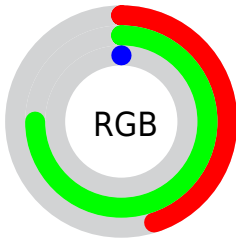
Format	Color
RYB	0, 191, 77
Decimal	7520000
CIELab	70.06, -48.20, 70.08
CIELCh	70, 85.056, 124.523
Yxy	40.8390, 0.3505, 0.5599
Android (android.graphics.Color)	4285710080 (0xFF72BF00)
YUV	146.2030, -72.0781, -28.2420
Hunter-Lab	63.9054, -40.4254, 38.6704

Details

The Yxy color **40.8390, 0.3505, 0.5599** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **5.3441, 0.1848, 0.0792**, and the grayscale version is **29.1269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4846, 0.3513, 0.5164**, and **18.6756, 0.3251, 0.5801** is the 20% darker color. If you saturate the color by 10%, you get **40.8400, 0.3505, 0.5599**, and if you desaturate by 10%, it is **41.4267, 0.3547, 0.5497**.

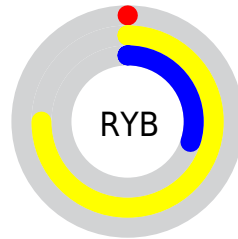
Distribution



Red (45%)

Green (75%)

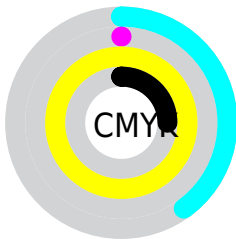
Blue (0%)



Red (0%)

Yellow (75%)

Blue (30%)

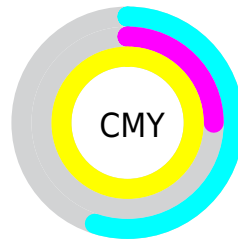


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (55%)


Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8390, 0.3505, 0.5599 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 40.8390, 0.3505, 0.5599 by changing the saturation by 10% instead.

 40.8390, 0.3505,
0.5599


 40.8390, 0.3505,
0.5599


349.6473, 0.3430,
0.4394


 28.1933, 0.3470,
0.5883


 76.4394, 0.3515,
0.5166

 18.4714, 0.3391,
0.6223


 100.1630, 0.3507,
0.5000


 11.2890, 0.3278,
0.6722


 128.3479, 0.3495,
0.4859


 6.2616, 0.2921,
0.7079

 161.3786, 0.3482,
0.4739

 3.0048, 0.2379,
0.7621

 199.6395, 0.3469,
0.4634

 1.1342, 0.0000,
1.0000

 243.5150, 0.3455,

 0.0070, 0.0000,

0.4544

1.0000

293.3894, 0.3442,
0.4464

■ 0.0000, 0.0000,
0.0000

■ 40.8390, 0.3505,
0.5599

■ 40.8390, 0.3505,
0.5599

■ 40.8400, 0.3505,
0.5599

■ 41.4267, 0.3547,
0.5497

■ 42.1038, 0.3570,
0.5350

■ 42.8898, 0.3570,
0.5153

■ 43.7941, 0.3546,
0.4916

■ 44.8250, 0.3502,
0.4649

■ 45.9895, 0.3442,
0.4367

■ 47.2944, 0.3370,
0.4082

■ 48.7455, 0.3291,
0.3803

■ 50.3487, 0.3209,
0.3537

Harmonies

Analogous

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



40.8390, 0.4532, 0.5036



40.8390, 0.3505, 0.5599



40.8390, 0.2444, 0.5155

Triad

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



40.8390, 0.3505, 0.5599



40.8390, 0.1265, 0.1818



40.8390, 0.4750, 0.2695

Complementary

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



40.8390, 0.3505, 0.5599



5.3441, 0.1848, 0.0792

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.



40.8390, 0.3496, 0.2092



40.8390, 0.3505, 0.5599



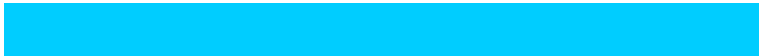
40.8390, 0.1610, 0.1606

Square

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



40.8390, 0.3505, 0.5599



40.8390, 0.1256, 0.2476



40.8390, 0.2346, 0.1711



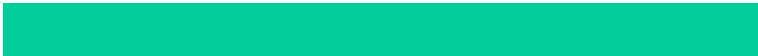
40.8390, 0.5447, 0.3410

Rectangle

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



40.8390, 0.3505, 0.5599



40.8390, 0.1854, 0.4243



40.8390, 0.2346, 0.1711



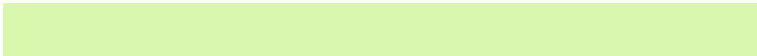
40.8390, 0.4361, 0.2476

Sweetspot

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



40.8408, 0.3505, 0.5599



84.5730, 0.3374, 0.4096



16.3049, 0.5700, 0.3856



18.3467, 0.3405, 0.4217



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.8408, 0.3505, 0.5599



72.9894, 0.3495, 0.5607



37.4065, 0.3023, 0.5982



10.9233, 0.3204, 0.3521



26.8838, 0.3514, 0.5592



1.0903, 0.3677, 0.5463

Inverse Universe

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



5.3441, 0.1848, 0.0792



9.4352, 0.1833, 0.0783



12.5235, 0.2958, 0.1403



9.4082, 0.3045, 0.3057



3.5551, 0.1862, 0.0799



0.1775, 0.2145, 0.0955

Previews

White Background



This preview shows how the Yxy color 40.8390, 0.3505, 0.5599 looks on a white background.

Color Contrast Check

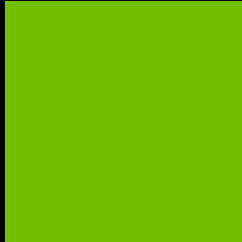
Large Text (above 18pt) WCAG AA × Fail

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 40.8390, 0.3505, 0.5599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

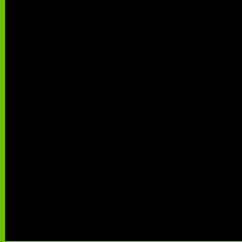
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8390, 0.3505, 0.5599

Background



This preview shows how black text looks on a background with the Yxy color 40.8390, 0.3505, 0.5599.



This preview shows how white text looks on a background with the Yxy color 40.8390, 0.3505, 0.5599.

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

40.8390, 0.3505, 0.5599

Protanopia

40.3323, 0.4400, 0.4888

Deuteranopia

40.4277, 0.4630, 0.4533



Tritanopia

40.8808, 0.2689, 0.3089

Trichromacy



Original Color

40.8390, 0.3505, 0.5599

Protanomaly

39.7333, 0.4057, 0.5161

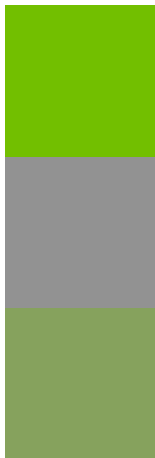
Deuteranomaly

39.4181, 0.4205, 0.4952

Tritanomaly

39.8613, 0.3130, 0.4251

Monochromacy



Original Color

40.8390, 0.3505, 0.5599

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

31.6993, 0.3454, 0.4427

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8390, 0.3505, 0.5599 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(114, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(114, 191, 0)  
}
```

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(114, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 191, 0) }
```

Border

The CSS property to change the border of an element to Yxy 40.8390, 0.3505, 0.5599 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(114, 191, 0) }
```

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

```
.border{ border-color:rgb(114, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(114, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(114, 191,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8390, 0.3505, 0.5599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 191, 0) }
```

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

```
.background{ background-color: rgb(114,  
191, 0) }
```

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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