

Converting Colors

$Y_{xy}(40.4501, 0.3984, 0.4967)$

Have a look what the booklet for
Yxy(40.4501, 0.3984, 0.4967)
contains.

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Color

Yxy(40.2457, 0.3985, 0.4961)

Conversions

Conversions Part 1

Format	Color
Hex	A7B22D
RGB	167, 178, 45
RGB Percent	65%, 70%, 18%
CMY	0.3452, 0.3019, 0.8234
CMYK	0.06, 0.00, 0.75, 0.30
HSL	65°, 60%, 44%
HSV	65°, 75%, 70%
XYZ	32.3280, 40.2457, 8.5505
YIQ	159.5490, 36.1370, -43.6950

Conversions

Conversions Part 2

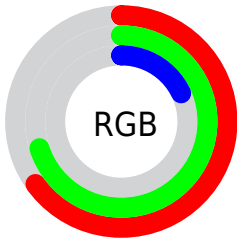
Format	Color
RYB	45, 178, 56
Decimal	10990125
CIELab	69.64, -20.14, 62.02
CIELCh	70, 65.204, 107.988
Yxy	40.2457, 0.3985, 0.4961
Android (android.graphics.Color)	4289180205 (0xFFA7B22D)
YUV	159.5490, -56.4727, 6.5345
Hunter-Lab	63.4395, -20.0577, 36.4164

Details

The Yxy color **40.2457, 0.3985, 0.4961** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.9373, 0.1791, 0.1002**, and the grayscale version is **35.1891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.7928, 0.3872, 0.4671**, and **18.3012, 0.3992, 0.5212** is the 20% darker color. If you saturate the color by 10%, you get **39.9782, 0.4028, 0.5072**, and if you desaturate by 10%, it is **40.5766, 0.3917, 0.4807**.

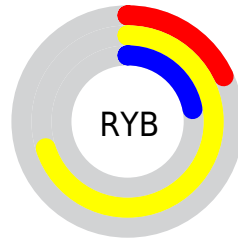
Distribution



Red (65%)

Green (70%)

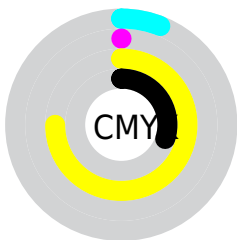
Blue (18%)



Red (18%)

Yellow (70%)

Blue (22%)

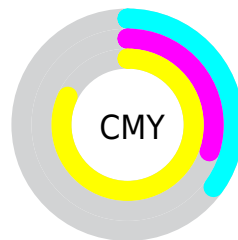


Cyan (6%)

Magenta (0%)

Yellow (75%)

Black (30%)



Cyan (35%)

Magenta (30%)

Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2457, 0.3985, 0.4961 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 40.2457, 0.3985, 0.4961 by changing the saturation by 10% instead.


 40.2457, 0.3985,
0.4961


 40.2457, 0.3985,
0.4961


347.1581, 0.3616,
0.4125

 27.7302, 0.4042,
0.5149


 75.5375, 0.3874,
0.4668


 18.1224, 0.4090,
0.5370


 99.0826, 0.3825,
0.4554

 11.0379, 0.4126,
0.5647


 127.0729, 0.3780,
0.4456

 6.0923, 0.4074,
0.5926

 159.8930, 0.3740,
0.4371

 2.9013, 0.3841,
0.6159

 197.9271, 0.3704,
0.4298

 1.0804, 0.3263,
0.6737

 241.5598, 0.3672,

 0.0000, 0.0000,

0.4233

0.0000

291.1753, 0.3643,
0.4176

■ 40.2457, 0.3985,
0.4961

■ 40.2457, 0.3985,
0.4961

■ 39.9782, 0.4028,
0.5072

■ 40.5766, 0.3917,
0.4807

■ 39.7606, 0.4045,
0.5141

■ 40.9718, 0.3826,
0.4616

■ 39.6568, 0.4049,
0.5167

■ 41.4387, 0.3715,
0.4395

■ 41.9823, 0.3591,
0.4154

■ 42.6073, 0.3459,
0.3903

■ 43.3177, 0.3324,
0.3650

■ 44.1175, 0.3189,
0.3403

■ 45.0104, 0.3059,
0.3166

■ 45.9997, 0.2935,
0.2944

Harmonies

Analogous

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



40.2457, 0.4689, 0.4427



40.2457, 0.3985, 0.4961



40.2457, 0.3110, 0.4990

Triad

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



40.2457, 0.3985, 0.4961



40.2457, 0.1551, 0.2380



40.2457, 0.3881, 0.2531

Complementary

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



40.2457, 0.3985, 0.4961



5.9373, 0.1791, 0.1002

Split Complementary

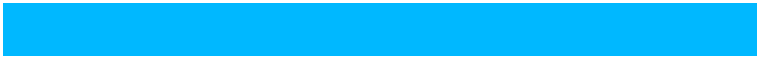
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.2457, 0.2901, 0.2108



40.2457, 0.3985, 0.4961



40.2457, 0.1683, 0.1982

Square

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



40.2457, 0.3985, 0.4961



40.2457, 0.1740, 0.3179



40.2457, 0.2130, 0.1911



40.2457, 0.4709, 0.3110

Rectangle

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



40.2457, 0.3985, 0.4961



40.2457, 0.2540, 0.4569



40.2457, 0.2130, 0.1911



40.2457, 0.3548, 0.2369

Sweetspot

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



40.2476, 0.3985, 0.4961



77.5414, 0.3428, 0.3844



12.2853, 0.5562, 0.3391



17.1068, 0.3464, 0.3912



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.



40.2476, 0.3985, 0.4961



72.2101, 0.4042, 0.5124



34.8977, 0.3382, 0.5376



9.8701, 0.3251, 0.3516



28.3849, 0.4051, 0.5166



0.9036, 0.4093, 0.5132

Inverse Universe

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



5.9373, 0.1791, 0.1002



6.9117, 0.1585, 0.0694



9.1155, 0.2435, 0.1323



8.2627, 0.2997, 0.3056



2.3831, 0.1532, 0.0618



0.0860, 0.1663, 0.0690

Previews

White Background



This preview shows how the Yxy color 40.2457, 0.3985, 0.4961 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 40.2457, 0.3985, 0.4961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

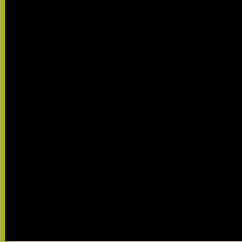
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2457, 0.3985, 0.4961

Background



This preview shows how black text looks on a background with the Yxy color 40.2457, 0.3985, 0.4961.



This preview shows how white text looks on a background with the Yxy color 40.2457, 0.3985, 0.4961.

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

40.2457, 0.3985, 0.4961

Protanopia

40.0002, 0.4301, 0.4740

Deuteranopia

39.8838, 0.4560, 0.4457



Tritanopia

40.1108, 0.3135, 0.3116

Trichromacy



Original Color

40.2457, 0.3985, 0.4961

Protanomaly

40.0141, 0.4180, 0.4822

Deuteranomaly

39.5949, 0.4353, 0.4641

Tritanomaly

39.4751, 0.3524, 0.3855

Monochromacy



Original Color

40.2457, 0.3985, 0.4961

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

36.7320, 0.3520, 0.4016

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2457, 0.3985, 0.4961 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(167, 178, 45)` looks like.

```
.text, #text, p{  
    color:rgb(167, 178, 45)  
}
```

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(167, 178, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 178, 45) }
```

Border

The CSS property to change the border of an element to Yxy 40.2457, 0.3985, 0.4961 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(167, 178, 45) }
```

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

```
.border{ border-color:rgb(167, 178, 45) }
```

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

Here you see how a box with a 4 pixel rgb(167, 178, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 178, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 178, 45);  
box-shadow:4px 4px 4px 4px rgb(167, 178,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2457, 0.3985, 0.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 178, 45) }
```

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

```
.background{ background-color: rgb(167,  
178, 45) }
```

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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