

Converting Colors

$Yxy(39.8896, 0.3522, 0.4989)$

Have a look what the booklet for
Yxy(39.8896, 0.3522, 0.4989)
contains.

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Color

Yxy(39.7790, 0.3521, 0.4994)

Conversions

Conversions Part 1

Format	Color
Hex	86B845
RGB	134, 184, 69
RGB Percent	53%, 72%, 27%
CMY	0.4745, 0.2784, 0.7294
CMYK	0.27, 0.00, 0.63, 0.28
HSL	86°, 45%, 50%
HSV	86°, 63%, 72%
XYZ	28.0460, 39.7790, 11.8286
YIQ	155.9400, 7.1150, -46.3650

Conversions

Conversions Part 2

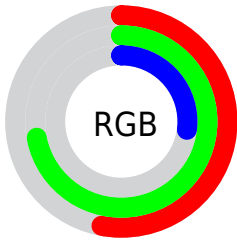
Format	Color
RYB	69, 184, 119
Decimal	8828997
CIELab	69.31, -34.85, 51.66
CIELCh	69, 62.314, 124.003
Yxy	39.7790, 0.3521, 0.4994
Android (android.graphics.Color)	4287019077 (0xFF86B845)
YUV	155.9400, -42.8614, -19.2414
Hunter-Lab	63.0706, -30.9987, 33.0299

Details

The Yxy color **39.7790, 0.3521, 0.4994** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **11.6381, 0.2399, 0.1518**, and the grayscale version is **33.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6725, 0.3484, 0.4654**, and **17.9556, 0.3527, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **38.9539, 0.3535, 0.5228**, and if you desaturate by 10%, it is **40.7282, 0.3487, 0.4728**.

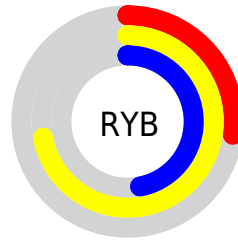
Distribution



Red (53%)

Green (72%)

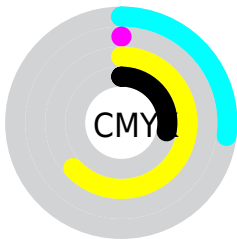
Blue (27%)



Red (27%)

Yellow (72%)

Blue (47%)

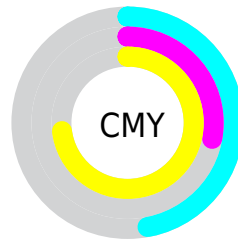


Cyan (27%)

Magenta (0%)

Yellow (63%)

Black (28%)



Cyan (47%)


Magenta (28%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.7790, 0.3521, 0.4994 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 39.7790, 0.3521, 0.4994 by changing the saturation by 10% instead.


 39.7790, 0.3521,
0.4994


 39.7790, 0.3521,
0.4994


345.1912, 0.3373,
0.4089

 27.3663, 0.3533,
0.5225


 74.8269, 0.3484,
0.4658


 17.8485, 0.3529,
0.5519


 98.2308, 0.3465,
0.4534


 10.8413, 0.3487,
0.5895


 126.0673, 0.3446,
0.4429

 5.9602, 0.3452,
0.6548

 158.7206, 0.3429,
0.4340

 2.8209, 0.3035,
0.6965

 196.5753, 0.3413,
0.4264

 1.0390, 0.1105,
0.8895

240.0157, 0.3399,

 0.0000, 0.0000,

0.4198

0.0000

289.4262, 0.3386,
0.4140

■ 39.7790, 0.3521,
0.4994

■ 39.7790, 0.3521,
0.4994

■ 38.9539, 0.3535,
0.5228

■ 40.7282, 0.3487,
0.4728

■ 38.2397, 0.3525,
0.5419

■ 41.8032, 0.3435,
0.4444

■ 37.6289, 0.3493,
0.5558

■ 43.0121, 0.3371,
0.4156

■ 37.2261, 0.3459,
0.5635

■ 44.3608, 0.3299,
0.3873

■ 45.8546, 0.3223,
0.3602

■ 47.4987, 0.3146,
0.3350

■ 49.2979, 0.3071,
0.3118

■ 51.2568, 0.2998,
0.2907

■ 53.3797, 0.2928,
0.2717

Harmonies

Analogous

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



39.7790, 0.4312, 0.4702



39.7790, 0.3521, 0.4994



39.7790, 0.2672, 0.4615

Triad

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



39.7790, 0.3521, 0.4994



39.7790, 0.1632, 0.2164



39.7790, 0.4322, 0.2846

Complementary

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



39.7790, 0.3521, 0.4994



11.6381, 0.2399, 0.1518

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.



39.7790, 0.3406, 0.2342



39.7790, 0.3521, 0.4994



39.7790, 0.1923, 0.1953

Square

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



39.7790, 0.3521, 0.4994



39.7790, 0.1647, 0.2729



39.7790, 0.2528, 0.2027



39.7790, 0.4872, 0.3456

Rectangle

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



39.7790, 0.3521, 0.4994



39.7790, 0.2188, 0.4005



39.7790, 0.2528, 0.2027



39.7790, 0.4037, 0.2662

Sweetspot

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



39.7807, 0.3521, 0.4994



81.2457, 0.3275, 0.3785



23.7741, 0.4572, 0.3965



17.3543, 0.3297, 0.3863



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



39.7807, 0.3521, 0.4994



70.1022, 0.3534, 0.5306



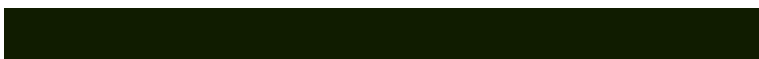
36.2761, 0.3078, 0.5255



10.3038, 0.3199, 0.3520



25.6970, 0.3467, 0.5629



0.9418, 0.3653, 0.5481

Inverse Universe

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



11.6381, 0.2399, 0.1518



14.9080, 0.2200, 0.1180



16.9858, 0.3097, 0.1829



8.9053, 0.3050, 0.3058



3.6007, 0.1916, 0.0829



0.1637, 0.2220, 0.0996

Previews

White Background



This preview shows how the Yxy color 39.7790, 0.3521, 0.4994 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 39.7790, 0.3521, 0.4994 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

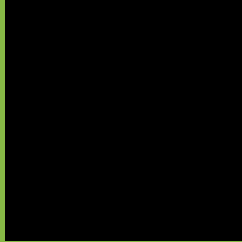
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.7790, 0.3521, 0.4994

Background



This preview shows how black text looks on a background with the Yxy color 39.7790, 0.3521, 0.4994.



This preview shows how white text looks on a background with the Yxy color 39.7790, 0.3521, 0.4994.

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

39.7790, 0.3521, 0.4994

Protanopia

39.4490, 0.4170, 0.4584

Deuteranopia

39.2187, 0.4382, 0.4278



Tritanopia

39.4398, 0.2822, 0.3090

Trichromacy



Original Color

39.7790, 0.3521, 0.4994

Protanomaly

38.9903, 0.3924, 0.4741

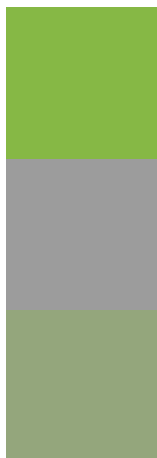
Deuteranomaly

38.8021, 0.4059, 0.4541

Tritanomaly

38.9631, 0.3112, 0.3791

Monochromacy



Original Color

39.7790, 0.3521, 0.4994

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

35.0236, 0.3321, 0.3945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.7790, 0.3521, 0.4994 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(134, 184, 69)` looks like.

```
.text, #text, p{  
    color:rgb(134, 184, 69)  
}
```

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(134, 184, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 184, 69) }
```

Border

The CSS property to change the border of an element to Yxy 39.7790, 0.3521, 0.4994 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(134, 184, 69) }
```

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

```
.border{ border-color:rgb(134, 184, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 184, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 184, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 184, 69);  
box-shadow:4px 4px 4px 4px rgb(134, 184,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 39.7790, 0.3521, 0.4994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 184, 69) }
```

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

```
.background{ background-color: rgb(134,  
184, 69) }
```

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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