

Converting Colors

$Y_{xy}(40.5498, 0.3580, 0.4998)$

Have a look what the booklet for
Yxy(40.5498, 0.3580, 0.4998)
contains.

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Color

Yxy(40.6786, 0.3581, 0.4992)

Conversions

Conversions Part 1

Format	Color
Hex	8CB943
RGB	140, 185, 67
RGB Percent	55%, 73%, 26%
CMY	0.4509, 0.2745, 0.7371
CMYK	0.24, 0.00, 0.64, 0.27
HSL	83°, 47%, 49%
HSV	83°, 64%, 73%
XYZ	29.1807, 40.6786, 11.6283
YIQ	158.0930, 11.0580, -46.2380

Conversions

Conversions Part 2

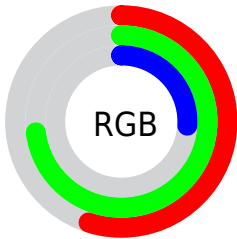
Format	Color
RYB	67, 185, 112
Decimal	9222467
CIELab	69.95, -33.17, 53.30
CIELCh	70, 62.779, 121.895
Yxy	40.6786, 0.3581, 0.4992
Android (android.graphics.Color)	4287412547 (0xFF8CB943)
YUV	158.0930, -44.9088, -15.8676
Hunter-Lab	63.7798, -29.9468, 33.8361

Details

The Yxy color **40.6786, 0.3581, 0.4992** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **10.9660, 0.2311, 0.1452**, and the grayscale version is **34.4445, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0024, 0.3534, 0.4662**, and **18.4875, 0.3602, 0.5501** is the 20% darker color. If you saturate the color by 10%, you get **39.8992, 0.3600, 0.5211**, and if you desaturate by 10%, it is **41.5718, 0.3540, 0.4739**.

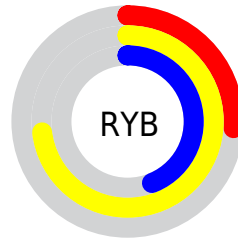
Distribution



Red (55%)

Green (73%)

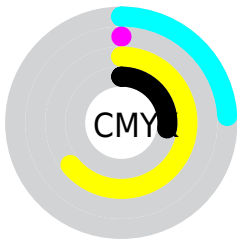
Blue (26%)



Red (26%)

Yellow (73%)

Blue (44%)

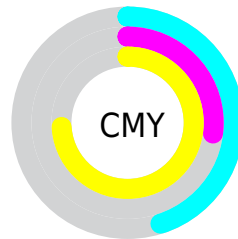


Cyan (24%)

Magenta (0%)

Yellow (64%)

Black (27%)



Cyan (45%)


Magenta (27%)

Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6786, 0.3581, 0.4992 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 40.6786, 0.3581, 0.4992 by changing the saturation by 10% instead.


 40.6786, 0.3581,
0.4992


 40.6786, 0.3581,
0.4992


348.9755, 0.3405,
0.4097

 28.0680, 0.3599,
0.5217


 76.1958, 0.3534,
0.4662

 18.3770, 0.3603,
0.5500


 99.8711, 0.3511,
0.4539

 11.2210, 0.3571,
0.5857


 128.0036, 0.3489,
0.4436

 6.2157, 0.3542,
0.6458

 160.9775, 0.3469,
0.4347

 2.9767, 0.3157,
0.6843

 199.1772, 0.3451,
0.4272

 1.1196, 0.1749,
0.8251

242.9872, 0.3434,

 0.0000, 0.0000,

0.4206

0.0000

292.7919, 0.3419,
0.4148

■ 40.6786, 0.3581,
0.4992

■ 40.6786, 0.3581,
0.4992

■ 39.8992, 0.3600,
0.5211

■ 41.5718, 0.3540,
0.4739

■ 39.2205, 0.3595,
0.5386

■ 42.5802, 0.3482,
0.4465

■ 38.6350, 0.3566,
0.5511

■ 43.7117, 0.3410,
0.4184

■ 38.3061, 0.3541,
0.5571

■ 44.9721, 0.3330,
0.3904

■ 46.3665, 0.3245,
0.3634

■ 47.8998, 0.3159,
0.3381

■ 49.5766, 0.3075,
0.3146

■ 51.4013, 0.2994,
0.2931

■ 53.3781, 0.2917,
0.2736

Harmonies

Analogous

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



40.6786, 0.4360, 0.4666



40.6786, 0.3581, 0.4992



40.6786, 0.2729, 0.4666

Triad

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



40.6786, 0.3581, 0.4992



40.6786, 0.1623, 0.2192



40.6786, 0.4265, 0.2806

Complementary

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



40.6786, 0.3581, 0.4992



10.9660, 0.2311, 0.1452

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.



40.6786, 0.3339, 0.2313



40.6786, 0.3581, 0.4992



40.6786, 0.1893, 0.1958

Square

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



40.6786, 0.3581, 0.4992



40.6786, 0.1660, 0.2784



40.6786, 0.2475, 0.2014



40.6786, 0.4852, 0.3411

Rectangle

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



40.6786, 0.3581, 0.4992



40.6786, 0.2233, 0.4077



40.6786, 0.2475, 0.2014



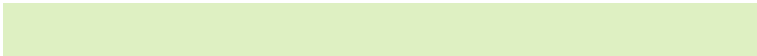
40.6786, 0.3973, 0.2625

Sweetspot

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



40.6804, 0.3581, 0.4992



81.6285, 0.3292, 0.3782



21.9334, 0.4696, 0.3868



17.4474, 0.3316, 0.3859



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.



40.6804, 0.3581, 0.4992



70.8924, 0.3600, 0.5296



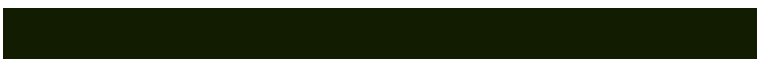
36.9312, 0.3124, 0.5266



10.3277, 0.3207, 0.3520



26.1262, 0.3549, 0.5564



0.9554, 0.3717, 0.5430

Inverse Universe

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



10.9660, 0.2311, 0.1452



13.4161, 0.2090, 0.1096



15.9856, 0.2997, 0.1762



8.8819, 0.3042, 0.3058



3.3243, 0.1828, 0.0780



0.1532, 0.2137, 0.0951

Previews

White Background



This preview shows how the Yxy color 40.6786, 0.3581, 0.4992 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 40.6786, 0.3581, 0.4992 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 40.6786, 0.3581, 0.4992

Background



This preview shows how black text looks on a background with the Yxy color 40.6786, 0.3581, 0.4992.



This preview shows how white text looks on a background with the Yxy color 40.6786, 0.3581, 0.4992.

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

40.6786, 0.3581, 0.4992

Protanopia

40.4319, 0.4184, 0.4610

Deuteranopia

40.1840, 0.4398, 0.4308



Tritanopia

40.4436, 0.2863, 0.3094

Trichromacy



Original Color

40.6786, 0.3581, 0.4992

Protanomaly

40.1915, 0.3960, 0.4756

Deuteranomaly

39.5187, 0.4094, 0.4555

Tritanomaly

39.9115, 0.3164, 0.3797

Monochromacy



Original Color

40.6786, 0.3581, 0.4992

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.0652, 0.3337, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6786, 0.3581, 0.4992 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(140, 185, 67)` looks like.

```
.text, #text, p{  
    color:rgb(140, 185, 67)  
}
```

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(140, 185, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 185, 67) }
```

Border

The CSS property to change the border of an element to Yxy 40.6786, 0.3581, 0.4992 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(140, 185, 67) }
```

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

```
.border{ border-color:rgb(140, 185, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 185, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 185, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 185, 67);  
box-shadow:4px 4px 4px 4px rgb(140, 185,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6786, 0.3581, 0.4992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 185, 67) }
```

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

```
.background{ background-color: rgb(140,  
185, 67) }
```

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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