

Converting Colors

$Yxy(40.4595, 0.3377, 0.4477)$

Have a look what the booklet for
Yxy(40.4595, 0.3377, 0.4477)
contains.

Yxy(40.6172, 0.3379, 0.4487)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.6172, 0.3379, 0.4487)

Conversions

Conversions Part 1

Format	Color
Hex	8EB768
RGB	142, 183, 104
RGB Percent	56%, 72%, 41%
CMY	0.4431, 0.2823, 0.5923
CMYK	0.22, 0.00, 0.43, 0.28
HSL	91°, 35%, 56%
HSV	91°, 43%, 72%
XYZ	30.5874, 40.6172, 19.3174
YIQ	161.7350, 0.9230, -33.2610

Conversions

Conversions Part 2

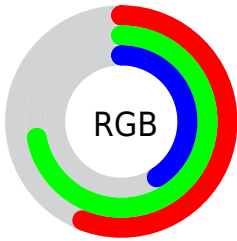
Format	Color
RYB	104, 183, 145
Decimal	9353064
CIELab	69.91, -27.65, 35.73
CIELCh	70, 45.182, 127.730
Yxy	40.6172, 0.3379, 0.4487
Android (android.graphics.Color)	4287543144 (0xFF8EB768)
YUV	161.7350, -28.4634, -17.3076
Hunter-Lab	63.7316, -25.8610, 26.6410

Details

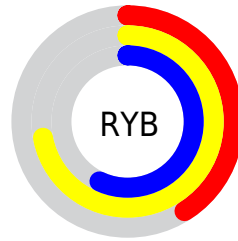
The Yxy color **40.6172, 0.3379, 0.4487** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **19.3319, 0.2744, 0.2108**, and the grayscale version is **36.1365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0036, 0.3349, 0.4249**, and **18.4148, 0.3410, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **39.4823, 0.3416, 0.4783**, and if you desaturate by 10%, it is **41.9079, 0.3330, 0.4188**.

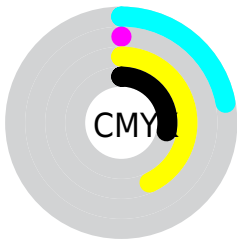
Distribution



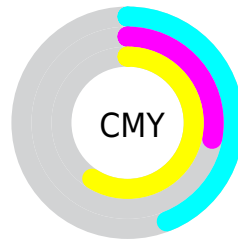
- Red (56%)
- Green (72%)
- Blue (41%)



- Red (41%)
- Yellow (72%)
- Blue (57%)



- Cyan (22%)
- Magenta (0%)
- Yellow (43%)
- Black (28%)




- Cyan (44%)
- Magenta (28%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6172, 0.3379, 0.4487 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 40.6172, 0.3379, 0.4487 by changing the saturation by 10% instead.


 40.6172, 0.3379,
0.4487


 40.6172, 0.3379,
0.4487


348.7182, 0.3273,
0.3849


 28.0201, 0.3396,
0.4656


 76.1025, 0.3347,
0.4247


 18.3408, 0.3410,
0.4878


 99.7594, 0.3333,
0.4159

 11.1949, 0.3415,
0.5179


 127.8717, 0.3320,
0.4086

 6.1981, 0.3390,
0.5603

 160.8238, 0.3309,
0.4024

 2.9659, 0.3450,
0.6550

199.0002, 0.3298,
0.3971

 1.1140, 0.2481,
0.7519

242.7850, 0.3289,

 0.0000, 0.0000,

0.3925

0.0000

292.5629, 0.3281,
0.3885

■ 40.6172, 0.3379,
0.4487

■ 40.6172, 0.3379,
0.4487

■ 39.4823, 0.3416,
0.4783

■ 41.9079, 0.3330,
0.4188

■ 38.4908, 0.3436,
0.5062

■ 43.3555, 0.3273,
0.3897

■ 37.6367, 0.3437,
0.5308

■ 44.9680, 0.3211,
0.3622


■ 36.9114, 0.3417,
0.5509


■ 46.7509, 0.3147,
0.3367


■ 36.3046, 0.3376,
0.5654

■ 48.7099, 0.3084,
0.3134

 35.9467, 0.3341,
0.5729

 50.8499, 0.3023,
0.2923

 53.1760, 0.2965,
0.2735

 55.6928, 0.2910,
0.2566

 57.4923, 0.2950,
0.2539

Harmonies

Analogous

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



40.6172, 0.3977, 0.4397



40.6172, 0.3379, 0.4487



40.6172, 0.2745, 0.4138

Triad

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



40.6172, 0.3379, 0.4487



40.6172, 0.2001, 0.2427



40.6172, 0.4058, 0.3031

Complementary

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



40.6172, 0.3379, 0.4487



19.3319, 0.2744, 0.2108

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.



40.6172, 0.3428, 0.2616



40.6172, 0.3379, 0.4487



40.6172, 0.2267, 0.2271

Square

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



40.6172, 0.3379, 0.4487



40.6172, 0.1991, 0.2841



40.6172, 0.2768, 0.2346



40.6172, 0.4414, 0.3523

Rectangle

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



40.6172, 0.3379, 0.4487



40.6172, 0.2389, 0.3713



40.6172, 0.2768, 0.2346



40.6172, 0.3867, 0.2881

Sweetspot

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



40.6190, 0.3379, 0.4487



80.5239, 0.3211, 0.3623



31.2585, 0.3975, 0.3868



17.6388, 0.3225, 0.3682



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.



40.6190, 0.3379, 0.4487



70.7710, 0.3415, 0.4773



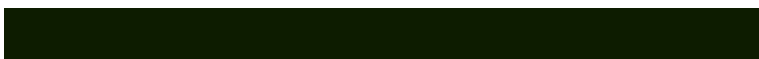
37.8361, 0.3057, 0.4588



10.2664, 0.3187, 0.3521



25.1163, 0.3350, 0.5722



0.9223, 0.3555, 0.5559

Inverse Universe

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



19.3319, 0.2744, 0.2108



27.5617, 0.2630, 0.1830



23.3279, 0.3191, 0.2263



8.9424, 0.3063, 0.3059



4.1208, 0.2073, 0.0916



0.1819, 0.2356, 0.1072

Previews

White Background



This preview shows how the Yxy color 40.6172, 0.3379, 0.4487 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 40.6172, 0.3379, 0.4487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

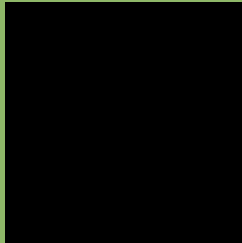
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6172, 0.3379, 0.4487

Background



This preview shows how black text looks on a background with the Yxy color 40.6172, 0.3379, 0.4487.



This preview shows how white text looks on a background with the Yxy color 40.6172, 0.3379, 0.4487.

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

40.6172, 0.3379, 0.4487

Protanopia

40.2151, 0.3910, 0.4236

Deuteranopia

40.2776, 0.4047, 0.3972



Tritanopia

40.3450, 0.2855, 0.3093

Trichromacy



Original Color

40.6172, 0.3379, 0.4487

Protanomaly

40.2575, 0.3707, 0.4329

Deuteranomaly

39.7561, 0.3793, 0.4152

Tritanomaly

40.3626, 0.3053, 0.3584

Monochromacy



Original Color

40.6172, 0.3379, 0.4487

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

37.6411, 0.3235, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6172, 0.3379, 0.4487 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(142, 183, 104)` looks like.

```
.text, #text, p{  
    color:rgb(142, 183, 104)  
}
```

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(142, 183, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 183, 104) }
```

Border

The CSS property to change the border of an element to Yxy 40.6172, 0.3379, 0.4487 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(142, 183, 104) }
```

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

```
.border{ border-color:rgb(142, 183, 104) }
```

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

Here you see how a box with a 4 pixel rgb(142, 183, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 183, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 183, 104);  
box-shadow:4px 4px 4px 4px rgb(142, 183,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6172, 0.3379, 0.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 183, 104) }
```

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

```
.background{ background-color: rgb(142,  
183, 104) }
```

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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