

Converting Colors

$Y_{xy}(40.5654, 0.3528, 0.2649)$

Have a look what the booklet for
Yxy(40.5654, 0.3528, 0.2649)
contains.

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Color

Yxy(40.6663, 0.3534, 0.2654)

Conversions

Conversions Part 1

Format	Color
Hex	EC8CC6
RGB	236, 140, 198
RGB Percent	93%, 55%, 78%
CMY	0.0747, 0.4508, 0.2236
CMYK	0.00, 0.41, 0.16, 0.07
HSL	324°, 72%, 74%
HSV	324°, 41%, 93%
XYZ	54.1502, 40.6663, 58.4099
YIQ	175.3160, 38.5980, 38.3900

Conversions

Conversions Part 2

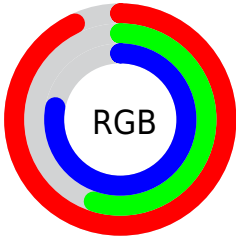
Format	Color
R _Y B	236, 140, 198
Decimal	15502534
CIE Lab	69.94, 44.06, -14.33
CIE LCh	70, 46.334, 341.982
Yxy	40.6663, 0.3534, 0.2654
Android (android.graphics.Color)	4293692614 (0xFFEC8CC6)
YUV	175.3160, 11.1832, 53.2199
Hunter-Lab	63.7701, 39.9750, -9.6673

Details

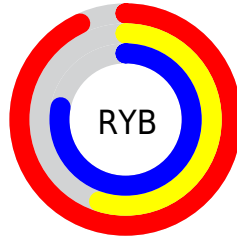
The Yxy color **40.6663, 0.3534, 0.2654** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **68.7584, 0.2866, 0.4035**, and the grayscale version is **42.9702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5102, 0.3155, 0.2703**, and **18.2950, 0.3642, 0.2486** is the 20% darker color. If you saturate the color by 10%, you get **34.0763, 0.3679, 0.2506**, and if you desaturate by 10%, it is **48.7652, 0.3408, 0.2812**.

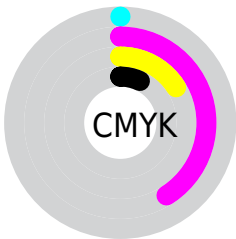
Distribution



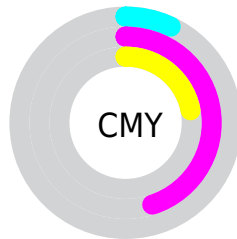
- Red (93%)
- Green (55%)
- Blue (78%)



- Red (93%)
- Yellow (55%)
- Blue (78%)



- Cyan (0%)
- Magenta (41%)
- Yellow (16%)
- Black (7%)




- Cyan (7%)
- Magenta (45%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6663, 0.3534, 0.2654 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 40.6663, 0.3534, 0.2654 by changing the saturation by 10% instead.

 40.6663, 0.3534,
0.2654


 40.6663, 0.3534,
0.2654


348.9240, 0.3335,
0.2962

 28.0584, 0.3582,
0.2580


 76.1771, 0.3463,
0.2763

 18.3697, 0.3644,
0.2488


 99.8488, 0.3435,
0.2805

 11.2157, 0.3724,
0.2368


 127.9772, 0.3412,
0.2841

 6.2121, 0.3834,
0.2208

160.9467, 0.3392,
0.2872

 2.9745, 0.3991,
0.1982

199.1418, 0.3375,
0.2898

 1.1184, 0.4234,
0.1644

242.9467, 0.3360,

 0.0000, 0.5229,

0.2922

0.0000

292.7460, 0.3347,
0.2943

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.6663, 0.3534,
0.2654

40.6663, 0.3534,
0.2654

34.0763, 0.3679,
0.2506

48.7652, 0.3408,
0.2812

28.8935, 0.3840,
0.2379

58.4545, 0.3300,
0.2973


25.0129, 0.4016,
0.2284

69.8168, 0.3208,
0.3130

22.3120, 0.4199,
0.2234

82.9273, 0.3132,
0.3281

 20.6446, 0.4382,
0.2235

 95.9187, 0.3069,
0.3392

 19.7945, 0.4549,
0.2279

 96.5028, 0.3016,
0.3299

 96.5652, 0.3011,
0.3290

Harmonies

Analogous

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



40.6663, 0.2847, 0.2354



40.6663, 0.3534, 0.2654



40.6663, 0.4155, 0.3092

Triad

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



40.6663, 0.3534, 0.2654



40.6663, 0.3917, 0.4459



40.6663, 0.1952, 0.2752

Complementary

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



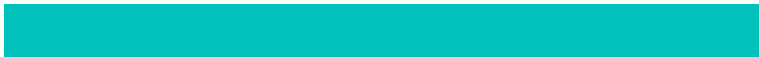
40.6663, 0.3534, 0.2654



68.7584, 0.2866, 0.4035

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.



40.6663, 0.2173, 0.3381



40.6663, 0.3534, 0.2654



40.6663, 0.3289, 0.4497

Square

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



40.6663, 0.3534, 0.2654



40.6663, 0.4360, 0.4094



40.6663, 0.2651, 0.4077



40.6663, 0.2000, 0.2369

Rectangle

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



40.6663, 0.3534, 0.2654



40.6663, 0.4407, 0.3426



40.6663, 0.2651, 0.4077



40.6663, 0.1995, 0.2938

Sweetspot

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



40.6682, 0.3534, 0.2654



81.2507, 0.3220, 0.3109



34.1444, 0.2656, 0.2128



16.9936, 0.3232, 0.3088



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



40.6682, 0.3534, 0.2654



41.6722, 0.3657, 0.2526



38.8336, 0.4041, 0.3166



15.2069, 0.3198, 0.3149



10.9420, 0.4521, 0.2264



0.8781, 0.4290, 0.2137

Inverse Universe

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



40.6682, 0.3534, 0.2654



41.6722, 0.3657, 0.2526



70.9671, 0.2623, 0.3425



15.2069, 0.3198, 0.3149



10.9420, 0.4521, 0.2264



0.8781, 0.4290, 0.2137

Previews

White Background



This preview shows how the Yxy color 40.6663, 0.3534, 0.2654 looks on a white background.

Color Contrast Check

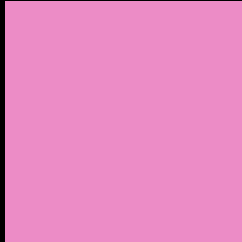
Large Text (above 18pt) WCAG AA × Fail

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 40.6663, 0.3534, 0.2654 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

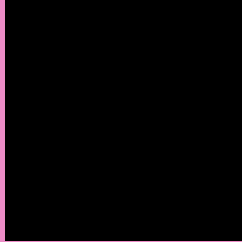
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6663, 0.3534, 0.2654

Background



This preview shows how black text looks on a background with the Yxy color 40.6663, 0.3534, 0.2654.



This preview shows how white text looks on a background with the Yxy color 40.6663, 0.3534, 0.2654.

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

40.6663, 0.3534, 0.2654

Protanopia

41.1823, 0.2673, 0.2664

Deuteranopia

40.9527, 0.3009, 0.2948



Tritanopia

40.8388, 0.3886, 0.3166

Trichromacy



Original Color

40.6663, 0.3534, 0.2654



Protanomaly

40.0642, 0.2943, 0.2641



Deuteranomaly

40.1962, 0.3187, 0.2818



Tritanomaly

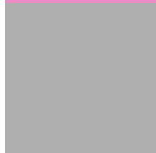
40.5916, 0.3755, 0.2973

Monochromacy



Original Color

40.6663, 0.3534, 0.2654



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.1299, 0.3271, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6663, 0.3534, 0.2654 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(236, 140, 198)` looks like.

```
.text, #text, p{  
    color:rgb(236, 140, 198)  
}
```

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(236, 140, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 140, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.6663, 0.3534, 0.2654 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(236, 140, 198) }
```

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

```
.border{ border-color:rgb(236, 140, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 140, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(236, 140, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(236, 140, 198); box-shadow:4px 4px 4px 4px rgb(236, 140, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6663, 0.3534, 0.2654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 140, 198) }
```

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

```
.background{ background-color: rgb(236,  
140, 198) }
```

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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