

Converting Colors

$Y_{xy}(40.1169, 0.2789, 0.2995)$

Have a look what the booklet for
Yxy(40.1169, 0.2789, 0.2995)
contains.

Yxy(40.0307, 0.2795, 0.2997)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(40.0307, 0.2795, 0.2997)

Conversions

Conversions Part 1

Format	Color
Hex	98ACC1
RGB	152, 172, 193
RGB Percent	60%, 67%, 76%
CMY	0.4037, 0.3255, 0.2432
CMYK	0.21, 0.11, 0.00, 0.24
HSL	211°, 25%, 68%
HSV	211°, 21%, 76%
XYZ	37.3326, 40.0307, 56.2059
YIQ	168.4140, -18.6610, 2.2910

Conversions

Conversions Part 2

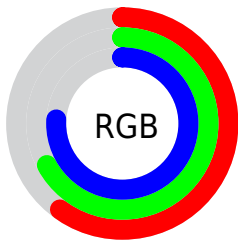
Format	Color
R _Y B	152, 165, 193
Decimal	10005697
CIE Lab	69.49, -2.32, -13.04
CIE LCh	69, 13.243, 259.893
Yxy	40.0307, 0.2795, 0.2997
Android (android.graphics.Color)	4288195777 (0xFF98ACC1)
YUV	168.4140, 12.1209, -14.3951
Hunter-Lab	63.2698, -5.3976, -8.3816

Details

The Yxy color **40.0307, 0.2795, 0.2997** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.5101, 0.3493, 0.3566**, and the grayscale version is **39.3223, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.0431, 0.2861, 0.3054**, and **18.0063, 0.2697, 0.2920** is the 20% darker color. If you saturate the color by 10%, you get **34.6902, 0.2632, 0.2836**, and if you desaturate by 10%, it is **45.9581, 0.2955, 0.3144**.

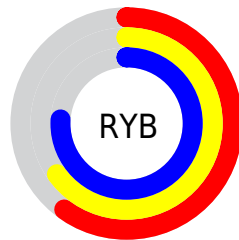
Distribution



Red (60%)

Green (67%)

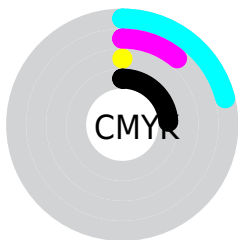
Blue (76%)



Red (60%)

Yellow (65%)

Blue (76%)

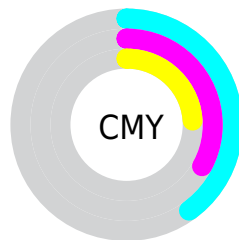


Cyan (21%)

Magenta (11%)

Yellow (0%)

Black (24%)



Cyan (40%)


Magenta (33%)

Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0307, 0.2795, 0.2997 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 40.0307, 0.2795, 0.2997 by changing the saturation by 10% instead.


 40.0307, 0.2795,
0.2997


 40.0307, 0.2795,
0.2997

346.2530, 0.2964,
0.3147

 27.5625, 0.2752,
0.2958


 75.2103, 0.2857,
0.3052

 17.9961, 0.2697,
0.2908


 98.6904, 0.2880,
0.3073

 10.9472, 0.2622,
0.2841


126.6099, 0.2899,
0.3090

 6.0313, 0.2517,
0.2744

159.3533, 0.2916,
0.3105

 2.8641, 0.2357,
0.2596

197.3049, 0.2930,
0.3118

 1.0612, 0.2090,
0.2345

240.8491, 0.2943,

 0.0000, 0.0000,

0.3129

0.0000

290.3703, 0.2954,
0.3139

■ 40.0307, 0.2795,
0.2997

■ 40.0307, 0.2795,
0.2997

■ 34.6902, 0.2632,
0.2836

■ 45.9581, 0.2955,
0.3144

■ 29.9110, 0.2469,
0.2661

■ 52.4871, 0.3109,
0.3275

■ 25.6727, 0.2310,
0.2474

■ 59.6379, 0.3255,
0.3392

■ 21.9513, 0.2161,
0.2278

■ 67.4279, 0.3393,
0.3496

■ 18.7208, 0.2026,
0.2078

■ 75.8742, 0.3522,
0.3587

■ 15.9519, 0.1912,
0.1880

■ 82.4752, 0.3548,
0.3679

■ 13.6110, 0.1821,
0.1689

■ 88.1858, 0.3526,
0.3773

■ 11.8575, 0.1758,
0.1530

■ 94.2148, 0.3504,
0.3865

■ 96.6299, 0.3496,
0.3900

Harmonies

Analogous

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



40.0307, 0.2756, 0.3110



40.0307, 0.2795, 0.2997



40.0307, 0.2921, 0.2963

Triad

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



40.0307, 0.2795, 0.2997



40.0307, 0.3452, 0.3287



40.0307, 0.3139, 0.3591

Complementary

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



40.0307, 0.2795, 0.2997



43.5101, 0.3493, 0.3566

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.



40.0307, 0.3329, 0.3634



40.0307, 0.2795, 0.2997



40.0307, 0.3514, 0.3451

Square

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



40.0307, 0.2795, 0.2997



40.0307, 0.3301, 0.3129



40.0307, 0.3468, 0.3580



40.0307, 0.2951, 0.3459

Rectangle

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



40.0307, 0.2795, 0.2997



40.0307, 0.3040, 0.2987



40.0307, 0.3468, 0.3580



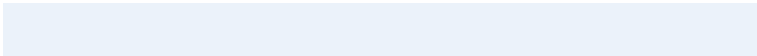
40.0307, 0.3205, 0.3617

Sweetspot

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



40.0323, 0.2795, 0.2997



88.1714, 0.3035, 0.3213



47.8151, 0.2954, 0.3574



18.7512, 0.3025, 0.3204



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



40.0323, 0.2795, 0.2997



67.5838, 0.2727, 0.2931



33.0019, 0.2775, 0.2708



10.5398, 0.2984, 0.3169



8.0463, 0.1765, 0.1553



0.4856, 0.1880, 0.1967

Inverse Universe

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



36.7867, 0.3349, 0.3029



61.0813, 0.3404, 0.2975



51.7415, 0.3443, 0.3812



10.1578, 0.3214, 0.3178



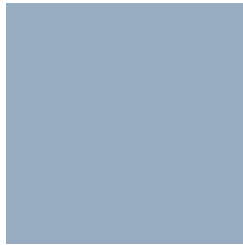
8.0945, 0.4991, 0.2523



0.3637, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 40.0307, 0.2795, 0.2997 looks on a white background.

Color Contrast Check

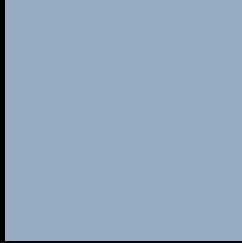
Large Text (above 18pt) WCAG AA × Fail

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 40.0307, 0.2795, 0.2997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

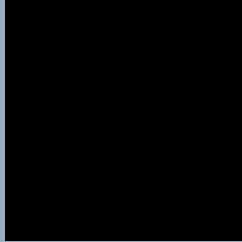
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

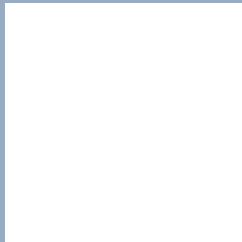
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0307, 0.2795, 0.2997

Background



This preview shows how black text looks on a background with the Yxy color 40.0307, 0.2795, 0.2997.



This preview shows how white text looks on a background with the Yxy color 40.0307, 0.2795, 0.2997.

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

40.0307, 0.2795, 0.2997

Protanopia

39.8738, 0.2922, 0.2977

Deuteranopia

39.8040, 0.2966, 0.2905



Tritanopia

40.0543, 0.2831, 0.3092

Trichromacy



Original Color

40.0307, 0.2795, 0.2997

Protanomaly

39.7588, 0.2873, 0.2974

Deuteranomaly

40.0073, 0.2899, 0.2938

Tritanomaly

40.1406, 0.2817, 0.3065

Monochromacy



Original Color

40.0307, 0.2795, 0.2997

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.2316, 0.2999, 0.3177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0307, 0.2795, 0.2997 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(152, 172, 193)` looks like.

```
.text, #text, p{  
    color:rgb(152, 172, 193)  
}
```

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(152, 172, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 172, 193) }
```

Border

The CSS property to change the border of an element to Yxy 40.0307, 0.2795, 0.2997 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(152, 172, 193) }
```

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

```
.border{ border-color:rgb(152, 172, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 172, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 172, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 172, 193);  
box-shadow:4px 4px 4px 4px rgb(152, 172,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0307, 0.2795, 0.2997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 172, 193) }
```

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

```
.background{ background-color: rgb(152,  
172, 193) }
```

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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