

Converting Colors

$Y_{xy}(17.1879, 0.3584, 0.2684)$

Have a look what the booklet for
Yxy(17.1879, 0.3584, 0.2684)
contains.

Yxy(17.1760, 0.3586, 0.2680)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.1760, 0.3586, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	A25D84
RGB	162, 93, 132
RGB Percent	64%, 36%, 52%
CMY	0.3646, 0.6353, 0.4824
CMYK	0.00, 0.43, 0.19, 0.36
HSL	326°, 27%, 50%
HSV	326°, 43%, 64%
XYZ	22.9825, 17.1760, 23.9310
YIQ	118.0770, 28.6050, 26.7570

Conversions

Conversions Part 2

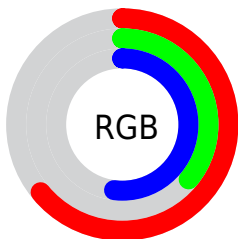
Format	Color
R_{YB}	162, 93, 132
Decimal	10640772
CIE Lab	48.48, 33.56, -9.52
CIE LCh	48, 34.888, 344.160
Yxy	17.1760, 0.3586, 0.2680
Android (android.graphics.Color)	4288830852 (0xFFA25D84)
YUV	118.0770, 6.8640, 38.5205
Hunter-Lab	41.4439, 26.4593, -5.2252

Details

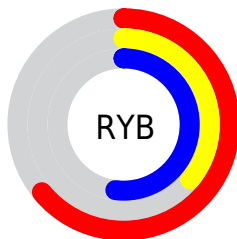
The Yxy color **17.1760, 0.3586, 0.2680** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **29.6062, 0.2841, 0.4002**, and the grayscale version is **18.1136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6590, 0.3481, 0.2816**, and **5.6771, 0.3769, 0.2440** is the 20% darker color. If you saturate the color by 10%, you get **14.4414, 0.3744, 0.2545**, and if you desaturate by 10%, it is **20.5278, 0.3448, 0.2825**.

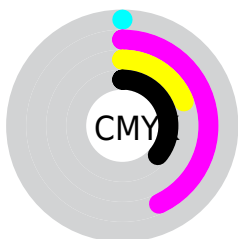
Distribution



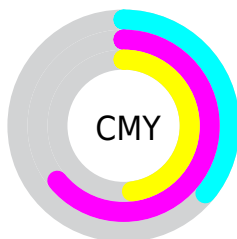
- Red (64%)
- Green (36%)
- Blue (52%)



- Red (64%)
- Yellow (36%)
- Blue (52%)



- Cyan (0%)
- Magenta (43%)
- Yellow (19%)
- Black (36%)





- Cyan (36%)
- Magenta (64%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1760, 0.3586, 0.2680 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 17.1760, 0.3586, 0.2680 by changing the saturation by 10% instead.


 17.1760, 0.3586,
0.2680


 17.1760, 0.3586,
0.2680


236.1846, 0.3327,
0.3020


 10.3601, 0.3663,
0.2581


 38.6281, 0.3483,
0.2813


 5.6383, 0.3771,
0.2446


 54.0331, 0.3447,
0.2860

 2.6264, 0.3933,
0.2247

 73.0699, 0.3418,
0.2899

 0.9400, 0.4201,
0.1930

 96.1229, 0.3394,
0.2931

 0.0000, 0.5774,
0.0000

123.5764, 0.3373,
0.2958

 0.0000, 0.0000,
0.0000

155.8150, 0.3355,

0.2982

193.2229, 0.3340,
0.3002

■ 17.1760, 0.3586,
0.2680

■ 17.1760, 0.3586,
0.2680

■ 14.4414, 0.3744,
0.2545

■ 20.5278, 0.3448,
0.2825

■ 12.2829, 0.3921,
0.2431

■ 24.5297, 0.3330,
0.2972

■ 10.6583, 0.4114,
0.2347


■ 29.2151, 0.3230,
0.3117

■ 9.5184, 0.4316,
0.2306


■ 34.6143, 0.3147,
0.3255

■ 8.8047, 0.4518,
0.2315

■ 40.7559, 0.3077,
0.3386

 8.4485, 0.4667,
0.2345

 47.6669, 0.3019,
0.3507

 55.3730, 0.2970,
0.3619

 63.8984, 0.2930,
0.3722

 73.2667, 0.2897,
0.3816

Harmonies

Analogous

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



17.1760, 0.2893, 0.2367



17.1760, 0.3586, 0.2680



17.1760, 0.4194, 0.3127

Triad

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



17.1760, 0.3586, 0.2680



17.1760, 0.3878, 0.4480



17.1760, 0.1943, 0.2713

Complementary

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



17.1760, 0.3586, 0.2680



29.6062, 0.2841, 0.4002

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.



17.1760, 0.2144, 0.3330



17.1760, 0.3586, 0.2680



17.1760, 0.3241, 0.4487

Square

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



17.1760, 0.3586, 0.2680



17.1760, 0.4342, 0.4129



17.1760, 0.2607, 0.4035



17.1760, 0.2010, 0.2348

Rectangle

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



17.1760, 0.3586, 0.2680



17.1760, 0.4428, 0.3464



17.1760, 0.2607, 0.4035



17.1760, 0.1979, 0.2894

Sweetspot

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



17.1768, 0.3586, 0.2680



52.4376, 0.3236, 0.3108



14.6407, 0.2684, 0.2114



11.3515, 0.3256, 0.3077



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



17.1768, 0.3586, 0.2680



26.4926, 0.3733, 0.2553



16.3852, 0.4127, 0.3219



7.1498, 0.3201, 0.3164



6.6626, 0.4651, 0.2336



0.1493, 0.4006, 0.1980

Inverse Universe

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



17.1768, 0.3586, 0.2680



26.4926, 0.3733, 0.2553



30.6243, 0.2591, 0.3368



7.1498, 0.3201, 0.3164



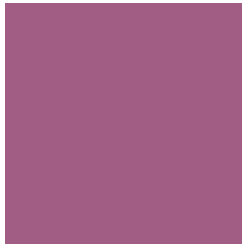
6.6626, 0.4651, 0.2336



0.1493, 0.4006, 0.1980

Previews

White Background



This preview shows how the Yxy color 17.1760, 0.3586, 0.2680 looks on a white 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 × Fail

Black Background



This preview shows how the Yxy color 17.1760, 0.3586, 0.2680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

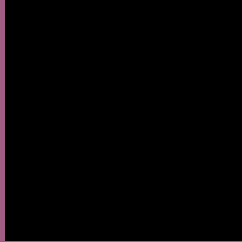
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 17.1760, 0.3586, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 17.1760, 0.3586, 0.2680.



This preview shows how white text looks on a background with the Yxy color 17.1760, 0.3586, 0.2680.

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

17.1760, 0.3586, 0.2680

Protanopia

17.2981, 0.2704, 0.2690

Deuteranopia

17.2383, 0.3039, 0.2970



Tritanopia

17.1262, 0.3937, 0.3178

Trichromacy



Original Color

17.1760, 0.3586, 0.2680

Protanomaly

16.8203, 0.2988, 0.2664

Deuteranomaly

16.9491, 0.3229, 0.2846

Tritanomaly

17.0771, 0.3805, 0.2984

Monochromacy



Original Color

17.1760, 0.3586, 0.2680

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.4357, 0.3287, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1760, 0.3586, 0.2680 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(162, 93, 132)` looks like.

```
.text, #text, p{  
    color:rgb(162, 93, 132)  
}
```

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(162, 93, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 93, 132) }
```

Border

The CSS property to change the border of an element to Yxy 17.1760, 0.3586, 0.2680 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(162, 93, 132) }
```

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

```
.border{ border-color:rgb(162, 93, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 93, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 93, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 93, 132);  
box-shadow:4px 4px 4px 4px rgb(162, 93,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1760, 0.3586, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 93, 132) }
```

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

```
.background{ background-color: rgb(162, 93,  
132) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor