

Converting Colors

$Y_{xy}(17.3445, 0.3367, 0.4018)$

Have a look what the booklet for
Yxy(17.3445, 0.3367, 0.4018)
contains.

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Color

Yxy(17.2306, 0.3358, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	6B7856
RGB	107, 120, 86
RGB Percent	42%, 47%, 34%
CMY	0.5805, 0.5294, 0.6628
CMYK	0.11, 0.00, 0.28, 0.53
HSL	83°, 17%, 40%
HSV	83°, 28%, 47%
XYZ	14.4579, 17.2306, 11.3665
YIQ	112.2370, 3.1660, -13.3300

Conversions

Conversions Part 2

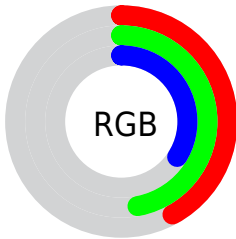
Format	Color
R_{YB}	86, 120, 99
Decimal	7043158
CIE Lab	48.55, -11.32, 17.12
CIE LCh	49, 20.526, 123.481
Yxy	17.2306, 0.3358, 0.4002
Android (android.graphics.Color)	4285233238 (0xFF6B7856)
YUV	112.2370, -12.9348, -4.5928
Hunter-Lab	41.5098, -10.4705, 12.8216

Details

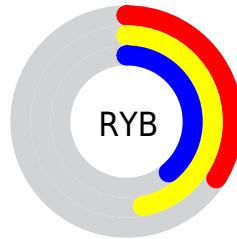
The Yxy color **17.2306, 0.3358, 0.4002** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6646, 0.2843, 0.2555**, and the grayscale version is **16.3139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6535, 0.3312, 0.3822**, and **5.7177, 0.3439, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **16.7766, 0.3433, 0.4273**, and if you desaturate by 10%, it is **17.7337, 0.3278, 0.3738**.

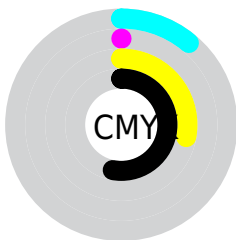
Distribution



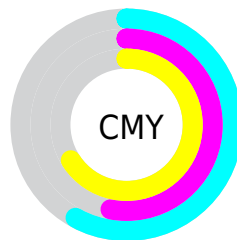
- Red (42%)
- Green (47%)
- Blue (34%)



- Red (34%)
- Yellow (47%)
- Blue (39%)



- Cyan (11%)
- Magenta (0%)
- Yellow (28%)
- Black (53%)





- Cyan (58%)
- Magenta (53%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2306, 0.3358, 0.4002 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 17.2306, 0.3358, 0.4002 by changing the saturation by 10% instead.


 17.2306, 0.3358,
0.4002


 17.2306, 0.3358,
0.4002

236.4978, 0.3230,
0.3578


 10.3990, 0.3393,
0.4140


 38.7218, 0.3309,
0.3827


 5.6643, 0.3439,
0.4342

 54.1503, 0.3291,
0.3768


 2.6421, 0.3497,
0.4665

 73.2132, 0.3276,
0.3721

 0.9479, 0.3967,
0.6033

 96.2949, 0.3264,
0.3682

 0.0000, 0.0000,
0.0000

 123.7798, 0.3254,
0.3649

156.0523, 0.3245,

0.3622

193.4969, 0.3237,
0.3598

■ 17.2306, 0.3358,
0.4002

■ 17.2306, 0.3358,
0.4002

■ 16.7766, 0.3433,
0.4273

■ 17.7337, 0.3278,
0.3738

■ 16.3677, 0.3498,
0.4544

■ 18.2854, 0.3196,
0.3487

■ 16.0025, 0.3550,
0.4804

■ 18.8881, 0.3114,
0.3252

■ 15.6789, 0.3585,
0.5042

■ 19.5434, 0.3034,
0.3036

■ 15.3945, 0.3599,
0.5246

■ 20.2527, 0.2958,
0.2839

■ 15.1464, 0.3590,
0.5407

■ 21.0174, 0.2886,
0.2659

■ 14.9276, 0.3565,
0.5534

■ 21.8390, 0.2819,
0.2498

■ 14.8928, 0.3560,
0.5555

■ 22.7186, 0.2756,
0.2352

■ 23.6576, 0.2698,
0.2222

Harmonies

Analogous

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



17.2306, 0.3708, 0.3954



17.2306, 0.3358, 0.4002



17.2306, 0.2960, 0.3823

Triad

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



17.2306, 0.3358, 0.4002



17.2306, 0.2400, 0.2792



17.2306, 0.3643, 0.3097

Complementary

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



17.2306, 0.3358, 0.4002



10.6646, 0.2843, 0.2555

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.



17.2306, 0.3260, 0.2831



17.2306, 0.3358, 0.4002



17.2306, 0.2555, 0.2652

Square

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



17.2306, 0.3358, 0.4002



17.2306, 0.2423, 0.3085



17.2306, 0.2861, 0.2671



17.2306, 0.3886, 0.3418

Rectangle

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



17.2306, 0.3358, 0.4002



17.2306, 0.2723, 0.3599



17.2306, 0.2861, 0.2671



17.2306, 0.3525, 0.3000

Sweetspot

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



17.2314, 0.3358, 0.4002



32.0677, 0.3203, 0.3508



13.4882, 0.3641, 0.3549



7.5709, 0.3213, 0.3538



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



17.2314, 0.3358, 0.4002



29.7744, 0.3407, 0.4178



16.3069, 0.3146, 0.4051



4.5609, 0.3202, 0.3505



16.2367, 0.3558, 0.5557



76.9501, 0.3527, 0.5582

Inverse Universe

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



10.6646, 0.2843, 0.2555



16.2233, 0.2762, 0.2367



11.6879, 0.3089, 0.2607



3.9614, 0.3048, 0.3073



2.1040, 0.1850, 0.0793



9.5800, 0.1799, 0.0765

Previews

White Background



This preview shows how the Yxy color 17.2306, 0.3358, 0.4002 looks on a white background.

Color Contrast Check

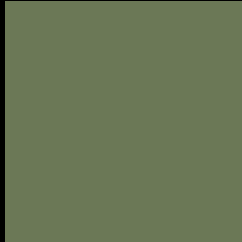
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.2306, 0.3358, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

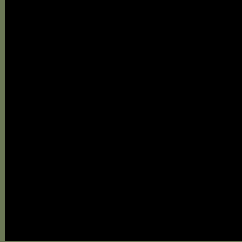
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.2306, 0.3358, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 17.2306, 0.3358, 0.4002.



This preview shows how white text looks on a background with the Yxy color 17.2306, 0.3358, 0.4002.

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

17.2306, 0.3358, 0.4002

Protanopia

17.1866, 0.3639, 0.3898

Deuteranopia

17.0073, 0.3772, 0.3702



Tritanopia

17.1614, 0.2984, 0.3113

Trichromacy



Original Color

17.2306, 0.3358, 0.4002

Protanomaly

17.2300, 0.3532, 0.3933

Deuteranomaly

17.0827, 0.3620, 0.3818

Tritanomaly

17.1634, 0.3121, 0.3432

Monochromacy



Original Color

17.2306, 0.3358, 0.4002

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5557, 0.3207, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2306, 0.3358, 0.4002 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(107, 120, 86)` looks like.

```
.text, #text, p{  
    color:rgb(107, 120, 86)  
}
```

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(107, 120, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 120, 86) }
```

Border

The CSS property to change the border of an element to Yxy 17.2306, 0.3358, 0.4002 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(107, 120, 86) }
```

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

```
.border{ border-color:rgb(107, 120, 86) }
```

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

Here you see how a box with a 4 pixel rgb(107, 120, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 120, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 120, 86);  
box-shadow:4px 4px 4px 4px rgb(107, 120,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2306, 0.3358, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 120, 86) }
```

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

```
.background{ background-color: rgb(107,  
120, 86) }
```

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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