

Converting Colors

$Y_{xy}(17.0284, 0.3065, 0.3574)$

Have a look what the booklet for
Yxy(17.0284, 0.3065, 0.3574)
contains.

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Color

Yxy(17.0384, 0.3076, 0.3583)

Conversions

Conversions Part 1

Format	Color
Hex	667769
RGB	102, 119, 105
RGB Percent	40%, 47%, 41%
CMY	0.6000, 0.5333, 0.5882
CMYK	0.14, 0.00, 0.12, 0.53
HSL	131°, 8%, 43%
HSV	131°, 14%, 47%
XYZ	14.6274, 17.0384, 15.8876
YIQ	112.3210, -5.6380, -7.9580

Conversions

Conversions Part 2

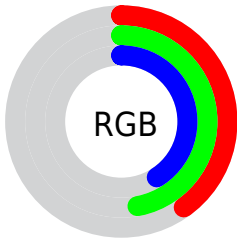
Format	Color
R_{YB}	102, 116, 119
Decimal	6715241
CIE _{Lab}	48.31, -9.25, 5.58
CIE _{LCh}	48, 10.801, 148.868
Yxy	17.0384, 0.3076, 0.3583
Android (android.graphics.Color)	4284905321 (0xFF667769)
YUV	112.3210, -3.6093, -9.0515
Hunter-Lab	41.2776, -8.9812, 6.0738

Details

The Yxy color **17.0384, 0.3076, 0.3583** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6866, 0.3183, 0.3014**, and the grayscale version is **16.3155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.2984, 0.3090, 0.3511**, and **5.6242, 0.3049, 0.3734** is the 20% darker color. If you saturate the color by 10%, you get **16.2031, 0.3040, 0.3819**, and if you desaturate by 10%, it is **17.9982, 0.3112, 0.3373**.

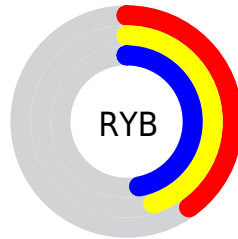
Distribution



Red (40%)

Green (47%)

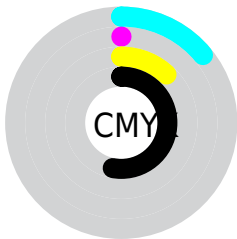
Blue (41%)



Red (40%)

Yellow (45%)

Blue (47%)

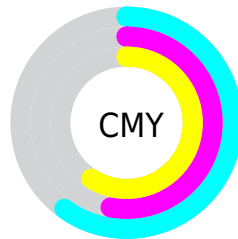


Cyan (14%)

Magenta (0%)

Yellow (12%)

Black (53%)



Cyan (60%)

Magenta (53%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0384, 0.3076, 0.3583 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 17.0384, 0.3076, 0.3583 by changing the saturation by 10% instead.

■ 17.0384, 0.3076,
0.3583

■ 17.0384, 0.3076,
0.3583

235.3936, 0.3107,
0.3409

■ 10.2619, 0.3065,
0.3639

■ 38.3918, 0.3089,
0.3511

■ 5.5729, 0.3049,
0.3723

■ 53.7374, 0.3094,
0.3487

■ 2.5872, 0.3022,
0.3858

■ 72.7082, 0.3097,
0.3468

■ 0.9202, 0.2975,
0.4222

■ 95.6886, 0.3100,
0.3452

■ 0.0000, 0.0000,
0.0000

123.0629, 0.3102,
0.3439

155.2156, 0.3104,

0.3427

192.5310, 0.3106,
0.3418

■ 17.0384, 0.3076,
0.3583

■ 17.0384, 0.3076,
0.3583

■ 16.2031, 0.3040,
0.3819

■ 17.9982, 0.3112,
0.3373

■ 15.4850, 0.3006,
0.4078

■ 19.0850, 0.3147,
0.3187

■ 14.8795, 0.2974,
0.4357

■ 20.3040, 0.3181,
0.3023

■ 14.3809, 0.2949,
0.4650

■ 21.6595, 0.3213,
0.2881

■ 13.9828, 0.2930,
0.4944

■ 23.1555, 0.3242,
0.2757

■ 13.6783, 0.2922,
0.5225

■ 24.7959, 0.3270,
0.2650

■ 13.4595, 0.2924,
0.5477

■ 26.5845, 0.3296,
0.2556

■ 13.3153, 0.2936,
0.5686

■ 28.5248, 0.3319,
0.2475

■ 13.2481, 0.2940,
0.5786

■ 30.6204, 0.3341,
0.2404

Harmonies

Analogous

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



17.0384, 0.3287, 0.3662



17.0384, 0.3076, 0.3583



17.0384, 0.2883, 0.3417

Triad

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



17.0384, 0.3076, 0.3583



17.0384, 0.2800, 0.2952



17.0384, 0.3511, 0.3341

Complementary

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



17.0384, 0.3076, 0.3583



14.6866, 0.3183, 0.3014

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.



17.0384, 0.3372, 0.3163



17.0384, 0.3076, 0.3583



17.0384, 0.2959, 0.2944

Square

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



17.0384, 0.3076, 0.3583



17.0384, 0.2727, 0.3050



17.0384, 0.3168, 0.3021



17.0384, 0.3544, 0.3512

Rectangle

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



17.0384, 0.3076, 0.3583



17.0384, 0.2789, 0.3285



17.0384, 0.3168, 0.3021



17.0384, 0.3475, 0.3280

Sweetspot

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



17.0391, 0.3076, 0.3583



32.2626, 0.3113, 0.3369



17.8776, 0.3292, 0.3629



7.6180, 0.3110, 0.3382



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.



17.0391, 0.3076, 0.3583



30.0172, 0.3065, 0.3655



17.2186, 0.2983, 0.3407



4.1078, 0.3095, 0.3469



14.0743, 0.2942, 0.5790



68.4933, 0.2961, 0.5858

Inverse Universe

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



14.6866, 0.3183, 0.3014



24.9815, 0.3197, 0.2951



14.5017, 0.3296, 0.3177



3.7473, 0.3161, 0.3117



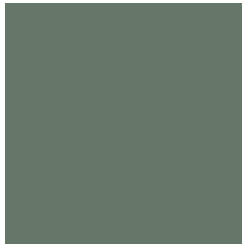
5.1004, 0.3696, 0.1810



24.7415, 0.3726, 0.1826

Previews

White Background



This preview shows how the Yxy color 17.0384, 0.3076, 0.3583 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 17.0384, 0.3076, 0.3583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

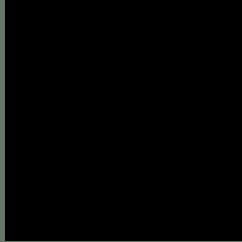
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

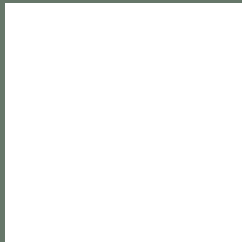
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.0384, 0.3076, 0.3583

Background



This preview shows how black text looks on a background with the Yxy color 17.0384, 0.3076, 0.3583.

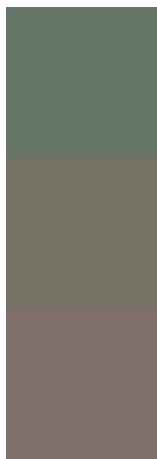


This preview shows how white text looks on a background with the Yxy color 17.0384, 0.3076, 0.3583.

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

17.0384, 0.3076, 0.3583

Protanopia

16.9159, 0.3343, 0.3529

Deuteranopia

17.0196, 0.3411, 0.3367



Tritanopia

16.9747, 0.2889, 0.3109

Trichromacy



Original Color

17.0384, 0.3076, 0.3583

Protanomaly

16.9808, 0.3245, 0.3554

Deuteranomaly

16.9972, 0.3292, 0.3449

Tritanomaly

16.9736, 0.2955, 0.3269

Monochromacy



Original Color

17.0384, 0.3076, 0.3583

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.5537, 0.3108, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0384, 0.3076, 0.3583 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(102, 119, 105)` looks like.

```
.text, #text, p{  
    color:rgb(102, 119, 105)  
}
```

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(102, 119, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 119, 105) }
```

Border

The CSS property to change the border of an element to Yxy 17.0384, 0.3076, 0.3583 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(102, 119, 105) }
```

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

```
.border{ border-color:rgb(102, 119, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 119, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 119, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 119, 105);  
box-shadow:4px 4px 4px 4px rgb(102, 119,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0384, 0.3076, 0.3583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 119, 105) }
```

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

```
.background{ background-color: rgb(102,  
119, 105) }
```

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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