

Converting Colors

$Y_{xy}(17.0298, 0.2756, 0.3762)$

Have a look what the booklet for
Yxy(17.0298, 0.2756, 0.3762)
contains.

Yxy(17.0444, 0.2762, 0.3764)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(17.0444, 0.2762, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	487D68
RGB	72, 125, 104
RGB Percent	28%, 49%, 41%
CMY	0.7175, 0.5098, 0.5921
CMYK	0.42, 0.00, 0.17, 0.51
HSL	156°, 27%, 39%
HSV	156°, 42%, 49%
XYZ	12.5071, 17.0444, 15.7312
YIQ	106.7590, -24.8470, -17.7670

Conversions

Conversions Part 2

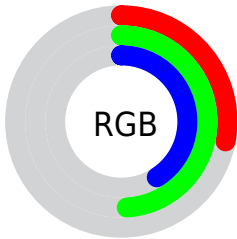
Format	Color
RYB	72, 105, 125
Decimal	4750696
CIELab	48.32, -22.91, 5.94
CIELCh	48, 23.665, 165.453
Yxy	17.0444, 0.2762, 0.3764
Android (android.graphics.Color)	4282940776 (0xFF487D68)
YUV	106.7590, -1.3602, -30.4836
Hunter-Lab	41.2849, -18.1727, 6.3075

Details

The Yxy color **17.0444, 0.2762, 0.3764** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.7892, 0.3738, 0.2869**, and the grayscale version is **14.6443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.4183, 0.2850, 0.3650**, and **5.6237, 0.2591, 0.4011** is the 20% darker color. If you saturate the color by 10%, you get **16.5146, 0.2698, 0.3900**, and if you desaturate by 10%, it is **17.6792, 0.2838, 0.3636**.

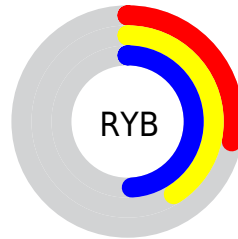
Distribution



Red (28%)

Green (49%)

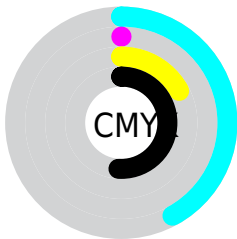
Blue (41%)



Red (28%)

Yellow (41%)

Blue (49%)

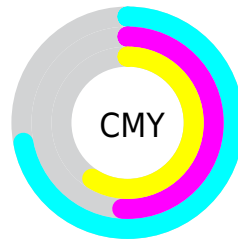


Cyan (42%)

Magenta (0%)

Yellow (17%)

Black (51%)



Cyan (72%)

Magenta (51%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.0444, 0.2762, 0.3764 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 17.0444, 0.2762, 0.3764 by changing the saturation by 10% instead.

■ 17.0444, 0.2762,
0.3764

■ 17.0444, 0.2762,
0.3764

■ 235.4281, 0.2978,
0.3481

■ 10.2662, 0.2692,
0.3858

■ 38.4021, 0.2851,
0.3646

■ 5.5758, 0.2590,
0.3997

■ 53.7503, 0.2881,
0.3607

■ 2.5889, 0.2425,
0.4226

■ 72.7240, 0.2905,
0.3575

■ 0.9211, 0.1732,
0.5050

■ 95.7076, 0.2925,
0.3550

■ 0.0000, 0.0000,
0.0000

■ 123.0854, 0.2941,
0.3528

155.2418, 0.2955,

0.3510

192.5612, 0.2968,
0.3494

■ 17.0444, 0.2762,
0.3764

■ 17.0444, 0.2762,
0.3764

■ 16.5146, 0.2698,
0.3900

■ 17.6792, 0.2838,
0.3636

■ 16.0816, 0.2648,
0.4043

■ 18.4225, 0.2922,
0.3518

■ 15.7395, 0.2614,
0.4190


■ 19.2801, 0.3011,
0.3410


■ 15.4807, 0.2599,
0.4338


■ 20.2569, 0.3105,
0.3312


■ 15.2961, 0.2602,
0.4486

■ 21.3574, 0.3200,
0.3224

 15.1809, 0.2610,
0.4598

 22.5858, 0.3294,
0.3145

 23.9462, 0.3388,
0.3076

 25.4426, 0.3478,
0.3014

 27.0787, 0.3566,
0.2961

Harmonies

Analogous

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



17.0444, 0.3205, 0.4070



17.0444, 0.2762, 0.3764



17.0444, 0.2433, 0.3311

Triad

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



17.0444, 0.2762, 0.3764



17.0444, 0.2590, 0.2548



17.0444, 0.4048, 0.3577

Complementary

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



17.0444, 0.2762, 0.3764



9.7892, 0.3738, 0.2869

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.



17.0444, 0.3864, 0.3207



17.0444, 0.2762, 0.3764



17.0444, 0.2994, 0.2639

Square

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



17.0444, 0.2762, 0.3764



17.0444, 0.2342, 0.2629



17.0444, 0.3466, 0.2874



17.0444, 0.3962, 0.3911

Rectangle

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



17.0444, 0.2762, 0.3764



17.0444, 0.2312, 0.3020



17.0444, 0.3466, 0.2874



17.0444, 0.4016, 0.3454

Sweetspot

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



17.0451, 0.2762, 0.3764



34.3745, 0.3003, 0.3420



17.4732, 0.3315, 0.4442



7.7508, 0.2986, 0.3439



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



17.0451, 0.2762, 0.3764



29.5874, 0.2699, 0.3898



16.2205, 0.2554, 0.3173



4.8589, 0.3041, 0.3377



15.8439, 0.2611, 0.4600



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7892, 0.3738, 0.2869



14.7312, 0.3956, 0.2776



10.1819, 0.4110, 0.3401



4.3703, 0.3221, 0.3205



4.7852, 0.5318, 0.2703



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.0444, 0.2762, 0.3764 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 17.0444, 0.2762, 0.3764 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 17.0444, 0.2762, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 17.0444, 0.2762, 0.3764.

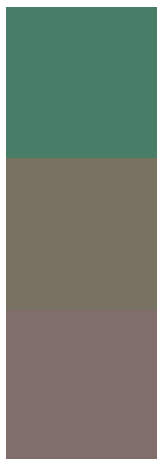


This preview shows how white text looks on a background with the Yxy color 17.0444, 0.2762, 0.3764.

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

17.0444, 0.2762, 0.3764

Protanopia

16.9095, 0.3408, 0.3609

Deuteranopia

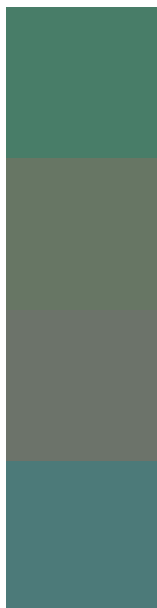
16.8026, 0.3414, 0.3348



Tritanopia

16.9757, 0.2568, 0.3079

Trichromacy



Original Color

17.0444, 0.2762, 0.3764

Protanomaly

16.7605, 0.3147, 0.3670

Deuteranomaly

16.4902, 0.3144, 0.3476

Tritanomaly

16.8360, 0.2633, 0.3310

Monochromacy



Original Color

17.0444, 0.2762, 0.3764

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

15.4549, 0.2967, 0.3464

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0444, 0.2762, 0.3764 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(72, 125, 104)` looks like.

```
.text, #text, p{  
    color:rgb(72, 125, 104)  
}
```

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(72, 125, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 125, 104) }
```

Border

The CSS property to change the border of an element to Yxy 17.0444, 0.2762, 0.3764 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(72, 125, 104) }
```

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

```
.border{ border-color:rgb(72, 125, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 125, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 125, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 125, 104);  
box-shadow:4px 4px 4px 4px rgb(72, 125,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 17.0444, 0.2762, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 125, 104) }
```

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

```
.background{ background-color: rgb(72, 125,  
104) }
```

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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