

Converting Colors

$Yxy(17.5016, 0.2414, 0.3056)$

Have a look what the booklet for
Yxy(17.5016, 0.2414, 0.3056)
contains.

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Color

$Y_{xy}(17.5016, 0.2414, 0.3056)$

Conversions

Conversions Part 1

Format	Color
Hex	3F7D88
RGB	63, 125, 136
RGB Percent	25%, 49%, 53%
CMY	0.7532, 0.5098, 0.4667
CMYK	0.54, 0.08, 0.00, 0.47
HSL	189°, 37%, 39%
HSV	189°, 54%, 53%
XYZ	13.8249, 17.5016, 25.9431
YIQ	107.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

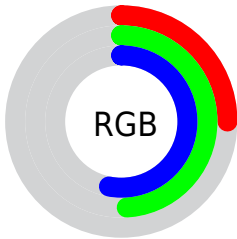
Format	Color
RYB	63, 97, 136
Decimal	4160904
CIELab	48.89, -16.73, -12.12
CIElCh	49, 20.655, 215.918
Yxy	17.5016, 0.2414, 0.3056
Android (android.graphics.Color)	4282350984 (0xFF3F7D88)
YUV	107.7160, 13.9440, -39.2159
Hunter-Lab	41.8349, -14.2235, -7.4832




Details

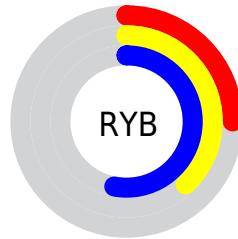
The Yxy color **17.5016, 0.2414, 0.3056** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.4824, 0.4501, 0.3496**, and the grayscale version is **14.8782, 0.3127, 0.3290**.




A 20% lighter version of the original color is **39.2968, 0.2580, 0.3125**, and **5.8408, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **16.5959, 0.2319, 0.3005**, and if you desaturate by 10%, it is **18.5299, 0.2525, 0.3105**.

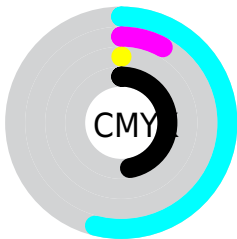
Distribution







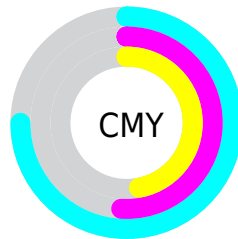
-  Red (25%)
-  Green (49%)
-  Blue (53%)






-  Red (25%)
-  Yellow (38%)
-  Blue (53%)



-  Cyan (54%)
-  Magenta (8%)
-  Yellow (0%)
-  Black (47%)



-  Cyan (75%)
-  Magenta (51%)
-  Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.5016, 0.2414, 0.3056 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 17.5016, 0.2414, 0.3056 by changing the saturation by 10% instead.

■ 17.5016, 0.2414,
0.3056

■ 17.5016, 0.2414,
0.3056

■ 238.0466, 0.2819,
0.3200

■ 10.5928, 0.2294,
0.3007

■ 39.1862, 0.2575,
0.3117

■ 5.7937, 0.2126,
0.2933

■ 54.7308, 0.2631,
0.3137

■ 2.7201, 0.1877,
0.2812

■ 73.9227, 0.2676,
0.3153

■ 0.9874, 0.1393,
0.2611

■ 97.1464, 0.2714,
0.3166

■ 0.0000, 0.0000,
0.0000

■ 124.7862, 0.2747,
0.3177

157.2266, 0.2774,

0.3186

194.8519, 0.2798,
0.3194

■ 17.5016, 0.2414,
0.3056

■ 17.5016, 0.2414,
0.3056

■ 16.5959, 0.2319,
0.3005

■ 18.5299, 0.2525,
0.3105

■ 15.8025, 0.2241,
0.2953

■ 19.6863, 0.2648,
0.3152

■ 15.1125, 0.2181,
0.2902

■ 20.9784, 0.2783,
0.3197

■ 14.5141, 0.2139,
0.2850

■ 22.4125, 0.2925,
0.3238

■ 14.1620, 0.2116,
0.2817

■ 23.9946, 0.3072,
0.3277

■ 25.7302, 0.3221,
0.3311

■ 27.6246, 0.3371,
0.3343

■ 29.6828, 0.3519,
0.3371

■ 31.9096, 0.3663,
0.3396

Harmonies

Analogous

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



17.5016, 0.2600, 0.3439



17.5016, 0.2414, 0.3056



17.5016, 0.2406, 0.2774

Triad

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



17.5016, 0.2414, 0.3056



17.5016, 0.3293, 0.2849



17.5016, 0.3684, 0.3966

Complementary

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



17.5016, 0.2414, 0.3056



10.4824, 0.4501, 0.3496

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.



17.5016, 0.3899, 0.3753



17.5016, 0.2414, 0.3056



17.5016, 0.3670, 0.3122

Square

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



17.5016, 0.2414, 0.3056



17.5016, 0.2891, 0.2679



17.5016, 0.3897, 0.3444



17.5016, 0.3326, 0.3997

Rectangle

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



17.5016, 0.2414, 0.3056



17.5016, 0.2499, 0.2671



17.5016, 0.3897, 0.3444



17.5016, 0.3776, 0.3911

Sweetspot

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



17.5023, 0.2414, 0.3056



38.8058, 0.2887, 0.3228



19.1575, 0.2964, 0.4700



8.8821, 0.2862, 0.3221



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



17.5023, 0.2414, 0.3056



28.9983, 0.2305, 0.2997



9.8971, 0.2247, 0.2219



5.5626, 0.2991, 0.3256



13.4137, 0.2116, 0.2819



0.1052, 0.2186, 0.3068

Inverse Universe

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



10.2645, 0.3365, 0.2209



15.3206, 0.3430, 0.2025



16.8384, 0.4109, 0.4150



5.1163, 0.3158, 0.3106



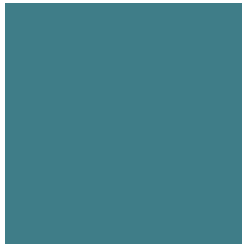
6.1383, 0.3617, 0.1766



0.0424, 0.3395, 0.1644

Previews

White Background



This preview shows how the Yxy color 17.5016, 0.2414, 0.3056 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 17.5016, 0.2414, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

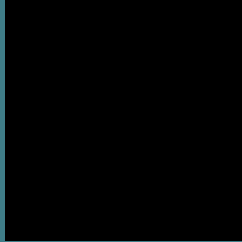
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

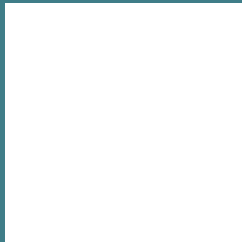
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 17.5016, 0.2414, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 17.5016, 0.2414, 0.3056.

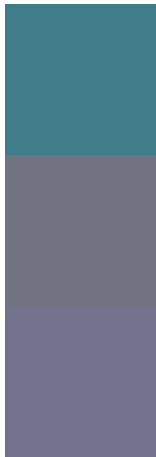


This preview shows how white text looks on a background with the Yxy color 17.5016, 0.2414, 0.3056.

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

17.5016, 0.2414, 0.3056

Protanopia

17.4239, 0.2952, 0.3020

Deuteranopia

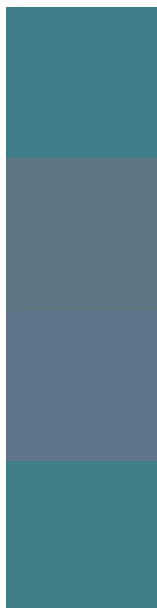
17.3192, 0.2854, 0.2803



Tritanopia

17.4733, 0.2422, 0.3076

Trichromacy



Original Color

17.5016, 0.2414, 0.3056

Protanomaly

17.2925, 0.2710, 0.3027

Deuteranomaly

17.0444, 0.2659, 0.2873

Tritanomaly

17.4733, 0.2422, 0.3076

Monochromacy



Original Color

17.5016, 0.2414, 0.3056

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.6179, 0.2810, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.5016, 0.2414, 0.3056 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(63, 125, 136)` looks like.

```
.text, #text, p{  
    color:rgb(63, 125, 136)  
}
```

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(63, 125, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 125, 136) }
```

Border

The CSS property to change the border of an element to Yxy 17.5016, 0.2414, 0.3056 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(63, 125, 136) }
```

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

```
.border{ border-color:rgb(63, 125, 136) }
```

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

Here you see how a box with a 4 pixel rgb(63, 125, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 125, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 125, 136);  
box-shadow:4px 4px 4px 4px rgb(63, 125,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 17.5016, 0.2414, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 125, 136) }
```

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

```
.background{ background-color: rgb(63, 125,  
136) }
```

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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