

Converting Colors

$Y_{xy}(17.7060, 0.2667, 0.3352)$

Have a look what the booklet for
Yxy(17.7060, 0.2667, 0.3352)
contains.

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Color

Yxy(17.7778, 0.2669, 0.3352)

Conversions

Conversions Part 1

Format	Color
Hex	507D7A
RGB	80, 125, 122
RGB Percent	31%, 49%, 48%
CMY	0.6863, 0.5098, 0.5215
CMYK	0.36, 0.00, 0.02, 0.51
HSL	176°, 22%, 40%
HSV	176°, 36%, 49%
XYZ	14.1554, 17.7778, 21.1032
YIQ	111.2030, -25.8570, -10.4730

Conversions

Conversions Part 2

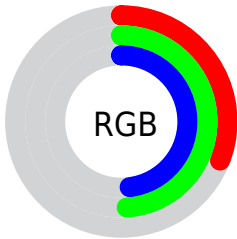
Format	Color
R_{YB}	80, 103, 125
Decimal	5275002
CIE _{Lab}	49.23, -16.11, -3.28
CIE _{LCh}	49, 16.444, 191.522
Yxy	17.7778, 0.2669, 0.3352
Android (android.graphics.Color)	4283465082 (0xFF507D7A)
YUV	111.2030, 5.3229, -27.3650
Hunter-Lab	42.1637, -13.8596, -0.1604

Details

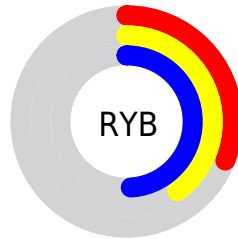
The Yxy color **17.7778, 0.2669, 0.3352** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.7216, 0.3884, 0.3231**, and the grayscale version is **15.9488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7221, 0.2775, 0.3349**, and **5.9412, 0.2485, 0.3392** is the 20% darker color. If you saturate the color by 10%, you get **17.2636, 0.2568, 0.3372**, and if you desaturate by 10%, it is **18.3948, 0.2784, 0.3333**.

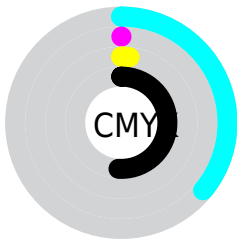
Distribution



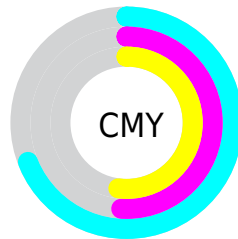
- Red (31%)
- Green (49%)
- Blue (48%)



- Red (31%)
- Yellow (40%)
- Blue (49%)



- Cyan (36%)
- Magenta (0%)
- Yellow (2%)
- Black (51%)



- Cyan (69%)
- Magenta (51%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 17.7778, 0.2669, 0.3352 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 17.7778, 0.2669, 0.3352 by changing the saturation by 10% instead.

■ 17.7778, 0.2669,
0.3352

■ 17.7778, 0.2669,
0.3352

■ 239.6156, 0.2932,
0.3319

■ 10.7906, 0.2588,
0.3361

■ 39.6583, 0.2775,
0.3340

■ 5.9262, 0.2474,
0.3371

■ 55.3204, 0.2811,
0.3335

■ 2.8003, 0.2298,
0.3385

■ 74.6430, 0.2841,
0.3331

■ 1.0284, 0.1925,
0.3429

■ 98.0103, 0.2865,
0.3328

■ 0.0000, 0.0000,
0.0000

■ 125.8068, 0.2886,
0.3325

158.4170, 0.2904,

0.3323

196.2251, 0.2919,
0.3321

■ 17.7778, 0.2669,
0.3352

■ 17.7778, 0.2669,
0.3352

■ 17.2636, 0.2568,
0.3372

■ 18.3948, 0.2784,
0.3333

■ 16.8445, 0.2482,
0.3393

■ 19.1178, 0.2910,
0.3315

■ 16.5150, 0.2412,
0.3414

■ 19.9521, 0.3044,
0.3299

■ 16.2683, 0.2361,
0.3435

■ 20.9025, 0.3184,
0.3284

■ 16.0963, 0.2327,
0.3456

■ 21.9731, 0.3327,
0.3271

■ 15.9852, 0.2308,
0.3478

■ 23.1681, 0.3472,
0.3259

■ 15.9451, 0.2302,
0.3486

■ 24.4913, 0.3615,
0.3248

■ 25.9464, 0.3757,
0.3239

■ 27.5371, 0.3894,
0.3231

Harmonies

Analogous

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



17.7778, 0.2917, 0.3643



17.7778, 0.2669, 0.3352



17.7778, 0.2543, 0.3060

Triad

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



17.7778, 0.2669, 0.3352



17.7778, 0.2999, 0.2815



17.7778, 0.3720, 0.3704

Complementary

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



17.7778, 0.2669, 0.3352



10.7216, 0.3884, 0.3231

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.



17.7778, 0.3749, 0.3469



17.7778, 0.2669, 0.3352



17.7778, 0.3321, 0.2972

Square

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



17.7778, 0.2669, 0.3352



17.7778, 0.2725, 0.2769



17.7778, 0.3601, 0.3206



17.7778, 0.3526, 0.3843

Rectangle

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



17.7778, 0.2669, 0.3352



17.7778, 0.2540, 0.2909



17.7778, 0.3601, 0.3206



17.7778, 0.3750, 0.3633

Sweetspot

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



17.7785, 0.2669, 0.3352



34.9168, 0.2972, 0.3308



17.0856, 0.3113, 0.4307



7.9063, 0.2958, 0.3309



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.



17.7785, 0.2669, 0.3352



31.0814, 0.2586, 0.3368



13.3916, 0.2585, 0.2858



4.8821, 0.3001, 0.3304



16.6413, 0.2302, 0.3487



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.7216, 0.3884, 0.3231



16.5163, 0.4142, 0.3219



13.9580, 0.3804, 0.3683



4.3485, 0.3268, 0.3276



4.5690, 0.6293, 0.3241



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 17.7778, 0.2669, 0.3352 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 17.7778, 0.2669, 0.3352 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

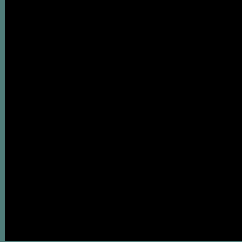
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.7778, 0.2669, 0.3352

Background



This preview shows how black text looks on a background with the Yxy color 17.7778, 0.2669, 0.3352.



This preview shows how white text looks on a background with the Yxy color 17.7778, 0.2669, 0.3352.

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

17.7778, 0.2669, 0.3352

Protanopia

17.6267, 0.3141, 0.3271

Deuteranopia

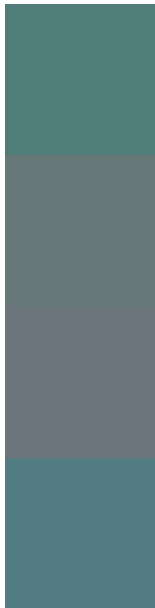
17.5760, 0.3125, 0.3065



Tritanopia

17.6984, 0.2593, 0.3083

Trichromacy



Original Color

17.7778, 0.2669, 0.3352

Protanomaly

17.4686, 0.2944, 0.3289

Deuteranomaly

17.3660, 0.2936, 0.3151

Tritanomaly

17.7941, 0.2622, 0.3185

Monochromacy



Original Color

17.7778, 0.2669, 0.3352

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.4379, 0.2939, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.7778, 0.2669, 0.3352 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(80, 125, 122)` looks like.

```
.text, #text, p{  
  color:rgb(80, 125, 122)  
}
```

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(80, 125, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 125, 122) }
```

Border

The CSS property to change the border of an element to Yxy 17.7778, 0.2669, 0.3352 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(80, 125, 122) }
```

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

```
.border{ border-color:rgb(80, 125, 122) }
```

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

Here you see how a box with a 4 pixel rgb(80, 125, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 125, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 125, 122);  
box-shadow:4px 4px 4px 4px rgb(80, 125,  
122) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 17.7778, 0.2669, 0.3352$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 125, 122) }
```

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

```
.background{ background-color: rgb(80, 125,  
122) }
```

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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