

Converting Colors

$Y_{xy}(19.7649, 0.2734, 0.3625)$

Have a look what the booklet for
Yxy(19.7649, 0.2734, 0.3625)
contains.

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Color

Yxy(19.7649, 0.2734, 0.3625)

Conversions

Conversions Part 1

Format	Color
Hex	508575
RGB	80, 133, 117
RGB Percent	31%, 52%, 46%
CMY	0.6862, 0.4784, 0.5413
CMYK	0.40, 0.00, 0.12, 0.48
HSL	162°, 25%, 42%
HSV	162°, 40%, 52%
XYZ	14.9068, 19.7649, 19.8521
YIQ	115.3290, -26.4520, -16.2120

Conversions

Conversions Part 2

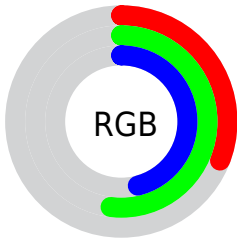
Format	Color
R_{YB}	80, 111, 133
Decimal	5277045
CIE _{Lab}	51.57, -21.61, 3.09
CIE _{LCh}	52, 21.831, 171.857
Yxy	19.7649, 0.2734, 0.3625
Android (android.graphics.Color)	4283467125 (0xFF508575)
YUV	115.3290, 0.8238, -30.9835
Hunter-Lab	44.4577, -17.9494, 4.6451

Details

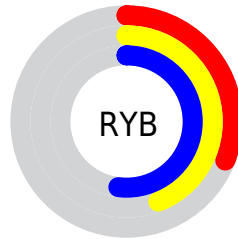
The Yxy color **19.7649, 0.2734, 0.3625** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.5723, 0.3781, 0.2985**, and the grayscale version is **17.2542, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8879, 0.2826, 0.3541**, and **6.8922, 0.2569, 0.3765** is the 20% darker color. If you saturate the color by 10%, you get **19.1502, 0.2658, 0.3726**, and if you desaturate by 10%, it is **20.4999, 0.2822, 0.3530**.

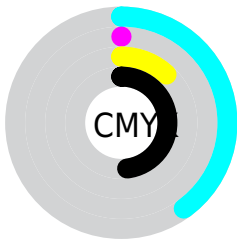
Distribution



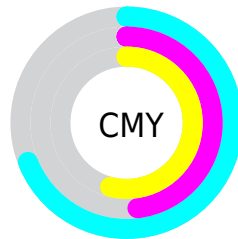
- Red (31%)
- Green (52%)
- Blue (46%)



- Red (31%)
- Yellow (44%)
- Blue (52%)



- Cyan (40%)
- Magenta (0%)
- Yellow (12%)
- Black (48%)



- Cyan (69%)
- Magenta (48%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.7649, 0.2734, 0.3625 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 19.7649, 0.2734, 0.3625 by changing the saturation by 10% instead.

■ 19.7649, 0.2734,
0.3625

■ 19.7649, 0.2734,
0.3625

■ 250.6395, 0.2960,
0.3431

■ 12.2243, 0.2665,
0.3685

■ 43.0227, 0.2824,
0.3547

■ 6.8966, 0.2567,
0.3772

■ 59.5086, 0.2856,
0.3520

■ 3.3975, 0.2417,
0.3908

■ 79.7451, 0.2881,
0.3498

■ 1.3426, 0.2138,
0.4160

■ 104.1165, 0.2902,
0.3480

■ 0.1738, 0.0000,
1.0000

■ 133.0073, 0.2920,
0.3465

■ 0.0000, 0.0000,
0.0000

166.8017, 0.2935,

0.3452

205.8844, 0.2948,
0.3441

■ 19.7649, 0.2734,
0.3625

■ 19.7649, 0.2734,
0.3625

■ 19.1502, 0.2658,
0.3726

■ 20.4999, 0.2822,
0.3530

■ 18.6465, 0.2596,
0.3832

■ 21.3591, 0.2919,
0.3442

■ 18.2471, 0.2551,
0.3941


■ 22.3491, 0.3022,
0.3362


■ 17.9435, 0.2525,
0.4052


■ 23.4754, 0.3129,
0.3289

■ 17.7256, 0.2516,
0.4164


■ 24.7431, 0.3238,
0.3223

 17.5645, 0.2521,
0.4275

 26.1571, 0.3347,
0.3165

 17.5619, 0.2521,
0.4277

 27.7221, 0.3455,
0.3113

 29.4424, 0.3560,
0.3067

 31.3224, 0.3662,
0.3027

Harmonies

Analogous

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



19.7649, 0.3112, 0.3929



19.7649, 0.2734, 0.3625



19.7649, 0.2471, 0.3227

Triad

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



19.7649, 0.2734, 0.3625



19.7649, 0.2721, 0.2636



19.7649, 0.3939, 0.3619

Complementary

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



19.7649, 0.2734, 0.3625



11.5723, 0.3781, 0.2985

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.



19.7649, 0.3826, 0.3290



19.7649, 0.2734, 0.3625



19.7649, 0.3100, 0.2747

Square

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



19.7649, 0.2734, 0.3625



19.7649, 0.2465, 0.2678



19.7649, 0.3511, 0.2980



19.7649, 0.3818, 0.3892

Rectangle

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



19.7649, 0.2734, 0.3625



19.7649, 0.2388, 0.2985



19.7649, 0.3511, 0.2980



19.7649, 0.3928, 0.3511

Sweetspot

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



19.7657, 0.2734, 0.3625



39.5674, 0.2996, 0.3381



19.8853, 0.3256, 0.4391



8.8711, 0.2985, 0.3389



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.7657, 0.2734, 0.3625



34.3682, 0.2663, 0.3718



17.6374, 0.2567, 0.3088



5.2555, 0.3029, 0.3356



16.7291, 0.2521, 0.4274



0.0593, 0.2380, 0.3769

Inverse Universe

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



11.5723, 0.3781, 0.2985



17.5162, 0.4014, 0.2917



12.8336, 0.4001, 0.3480



4.7102, 0.3236, 0.3225



4.8985, 0.5681, 0.2903



0.0181, 0.4632, 0.2325

Previews

White Background



This preview shows how the Yxy color 19.7649, 0.2734, 0.3625 looks on a white 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

Black Background



This preview shows how the Yxy color 19.7649, 0.2734, 0.3625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

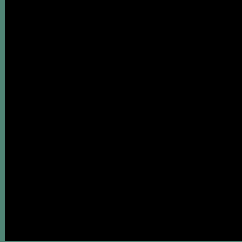
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7649, 0.2734, 0.3625

Background



This preview shows how black text looks on a background with the Yxy color 19.7649, 0.2734, 0.3625.



This preview shows how white text looks on a background with the Yxy color 19.7649, 0.2734, 0.3625.

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

19.7649, 0.2734, 0.3625

Protanopia

19.5788, 0.3318, 0.3496

Deuteranopia

19.4638, 0.3321, 0.3255



Tritanopia

19.8371, 0.2580, 0.3092

Trichromacy



Original Color

19.7649, 0.2734, 0.3625

Protanomaly

19.4290, 0.3080, 0.3546

Deuteranomaly

19.1427, 0.3075, 0.3367

Tritanomaly

19.7834, 0.2633, 0.3268

Monochromacy



Original Color

19.7649, 0.2734, 0.3625

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0048, 0.2954, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7649, 0.2734, 0.3625 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, 133, 117)` looks like.

```
.text, #text, p{  
  color:rgb(80, 133, 117)  
}
```

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, 133, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 133, 117) }
```

Border

The CSS property to change the border of an element to Yxy 19.7649, 0.2734, 0.3625 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, 133, 117) }
```

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

```
.border{ border-color:rgb(80, 133, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 133, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 133, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 133, 117);  
box-shadow:4px 4px 4px 4px rgb(80, 133,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7649, 0.2734, 0.3625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 133, 117) }
```

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

```
.background{ background-color: rgb(80, 133,  
117) }
```

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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