

Converting Colors

$Y_{xy}(18.7420, 0.2695, 0.3703)$

Have a look what the booklet for
Yxy(18.7420, 0.2695, 0.3703)
contains.

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Color

$Y_{xy}(18.7420, 0.2695, 0.3703)$

Conversions

Conversions Part 1

Format	Color
Hex	478370
RGB	71, 131, 112
RGB Percent	28%, 51%, 44%
CMY	0.7215, 0.4863, 0.5607
CMYK	0.46, 0.00, 0.14, 0.49
HSL	161°, 30%, 40%
HSV	161°, 46%, 51%
XYZ	13.6402, 18.7420, 18.2308
YIQ	110.8940, -29.6610, -18.6290

Conversions

Conversions Part 2

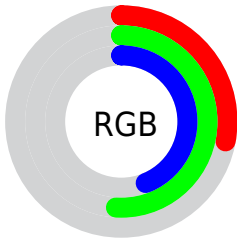
Format	Color
R_YB	71, 107, 131
Decimal	4686704
CIE _{Lab}	50.38, -24.36, 4.22
CIE _{LCh}	50, 24.724, 170.168
Yxy	18.7420, 0.2695, 0.3703
Android (android.graphics.Color)	4282876784 (0xFF478370)
YUV	110.8940, 0.5453, -34.9870
Hunter-Lab	43.2920, -19.5203, 5.3367

Details

The Yxy color **18.7420, 0.2695, 0.3703** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.0709, 0.3908, 0.2924**, and the grayscale version is **15.8698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1723, 0.2794, 0.3594**, and **6.3742, 0.2509, 0.3901** is the 20% darker color. If you saturate the color by 10%, you get **18.2094, 0.2628, 0.3812**, and if you desaturate by 10%, it is **19.3872, 0.2775, 0.3600**.

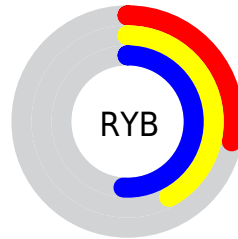
Distribution



Red (28%)

Green (51%)

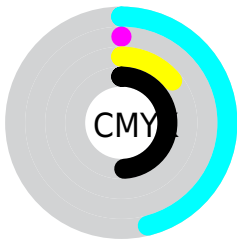
Blue (44%)



Red (28%)

Yellow (42%)

Blue (51%)

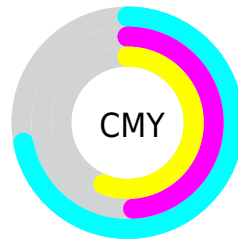


Cyan (46%)

Magenta (0%)

Yellow (14%)

Black (49%)



Cyan (72%)

Magenta (49%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7420, 0.2695, 0.3703 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 18.7420, 0.2695, 0.3703 by changing the saturation by 10% instead.


 18.7420, 0.2695,
0.3703


 18.7420, 0.2695,
0.3703


245.0207, 0.2945,
0.3461


 11.4840, 0.2617,
0.3780


 41.2977, 0.2796,
0.3604


 6.3934, 0.2505,
0.3893


 57.3642, 0.2831,
0.3570


 3.0857, 0.2332,
0.4071

 77.1356, 0.2859,
0.3543

 1.1766, 0.1892,
0.4472

 100.9963, 0.2882,
0.3521

 0.0425, 0.0000,
1.0000

 129.3309, 0.2902,
0.3502

 0.0000, 0.0000,
0.0000

162.5235, 0.2919,

0.3486

200.9586, 0.2933,
0.3473

■ 18.7420, 0.2695,
0.3703

■ 18.7420, 0.2695,
0.3703

■ 18.2094, 0.2628,
0.3812

■ 19.3872, 0.2775,
0.3600

■ 17.7801, 0.2578,
0.3926

■ 20.1491, 0.2865,
0.3503

■ 17.4470, 0.2544,
0.4042

■ 21.0342, 0.2963,
0.3414

■ 17.2013, 0.2530,
0.4159

■ 22.0482, 0.3066,
0.3333

■ 17.0285, 0.2532,
0.4275

■ 23.1960, 0.3172,
0.3260

■ 16.9631, 0.2535,
0.4325

■ 24.4827, 0.3279,
0.3195

■ 25.9127, 0.3385,
0.3136

■ 27.4905, 0.3490,
0.3085

■ 29.2203, 0.3592,
0.3039

Harmonies

Analogous

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



18.7420, 0.3132, 0.4049



18.7420, 0.2695, 0.3703



18.7420, 0.2388, 0.3238

Triad

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



18.7420, 0.2695, 0.3703



18.7420, 0.2639, 0.2543



18.7420, 0.4064, 0.3638

Complementary

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



18.7420, 0.2695, 0.3703



10.0709, 0.3908, 0.2924

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.



18.7420, 0.3919, 0.3263



18.7420, 0.2695, 0.3703



18.7420, 0.3066, 0.2660

Square

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



18.7420, 0.2695, 0.3703



18.7420, 0.2360, 0.2596



18.7420, 0.3543, 0.2917



18.7420, 0.3935, 0.3962

Rectangle

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



18.7420, 0.2695, 0.3703



18.7420, 0.2288, 0.2954



18.7420, 0.3543, 0.2917



18.7420, 0.4046, 0.3514

Sweetspot

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



18.7428, 0.2695, 0.3703



37.9202, 0.2978, 0.3402



18.8617, 0.3268, 0.4575



8.7539, 0.2959, 0.3418



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.



18.7428, 0.2695, 0.3703



32.5683, 0.2626, 0.3817



16.4120, 0.2495, 0.3053



5.2545, 0.3031, 0.3360



16.6979, 0.2534, 0.4324



0.0592, 0.2388, 0.3795

Inverse Universe

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



10.0709, 0.3908, 0.2924



14.9861, 0.4193, 0.2851



11.3159, 0.4189, 0.3507



4.7112, 0.3234, 0.3221



4.9110, 0.5630, 0.2875



0.0182, 0.4580, 0.2297

Previews

White Background



This preview shows how the Yxy color 18.7420, 0.2695, 0.3703 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 18.7420, 0.2695, 0.3703 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

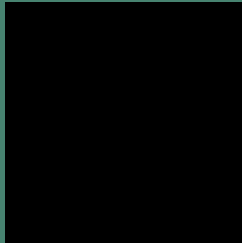
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7420, 0.2695, 0.3703

Background



This preview shows how black text looks on a background with the Yxy color 18.7420, 0.2695, 0.3703.

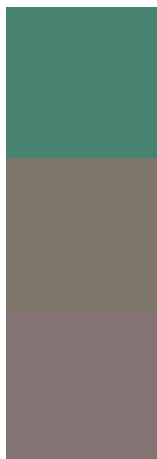


This preview shows how white text looks on a background with the Yxy color 18.7420, 0.2695, 0.3703.

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

18.7420, 0.2695, 0.3703

Protanopia

18.5942, 0.3360, 0.3539

Deuteranopia

18.4048, 0.3351, 0.3291



Tritanopia

18.6334, 0.2520, 0.3065

Trichromacy



Original Color

18.7420, 0.2695, 0.3703

Protanomaly

18.2519, 0.3077, 0.3596

Deuteranomaly

18.2046, 0.3072, 0.3429

Tritanomaly

18.5192, 0.2573, 0.3267

Monochromacy



Original Color

18.7420, 0.2695, 0.3703

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.5914, 0.2937, 0.3438

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7420, 0.2695, 0.3703 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(71, 131, 112)` looks like.

```
.text, #text, p{  
    color:rgb(71, 131, 112)  
}
```

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(71, 131, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 131, 112) }
```

Border

The CSS property to change the border of an element to Yxy 18.7420, 0.2695, 0.3703 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(71, 131, 112) }
```

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

```
.border{ border-color:rgb(71, 131, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 131, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 131, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 131, 112);  
box-shadow:4px 4px 4px 4px rgb(71, 131,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7420, 0.2695, 0.3703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 131, 112) }
```

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

```
.background{ background-color: rgb(71, 131,  
112) }
```

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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