

Converting Colors

$Y_{xy}(18.4508, 0.2936, 0.3051)$

Have a look what the booklet for
Yxy(18.4508, 0.2936, 0.3051)
contains.

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Color

Yxy(18.4772, 0.2944, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	737783
RGB	115, 119, 131
RGB Percent	45%, 47%, 51%
CMY	0.5490, 0.5333, 0.4863
CMYK	0.12, 0.09, 0.00, 0.49
HSL	225°, 6%, 48%
HSV	225°, 12%, 51%
XYZ	17.7651, 18.4772, 24.1012
YIQ	119.1720, -6.2360, 2.8840

Conversions

Conversions Part 2

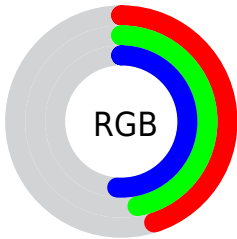
Format	Color
R_{YB}	115, 118, 131
Decimal	7567235
CIE Lab	50.07, 1.09, -7.07
CIE LCh	50, 7.153, 278.795
Yxy	18.4772, 0.2944, 0.3062
Android (android.graphics.Color)	4285757315 (0xFF737783)
YUV	119.1720, 5.8312, -3.6588
Hunter-Lab	42.9851, -1.4524, -3.1536

Details

The Yxy color $18.4772, 0.2944, 0.3062$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $21.2458, 0.3310, 0.3508$, and the grayscale version is $18.4888, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.8020, 0.2986, 0.3112$, and $6.3090, 0.2862, 0.2965$ is the 20% darker color. If you saturate the color by 10%, you get $15.4307, 0.2780, 0.2850$, and if you desaturate by 10%, it is $21.8938, 0.3096, 0.3251$.

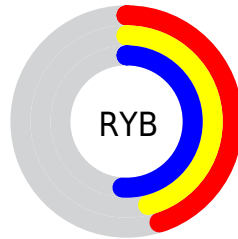
Distribution



Red (45%)

Green (47%)

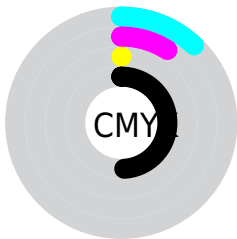
Blue (51%)



Red (45%)

Yellow (46%)

Blue (51%)

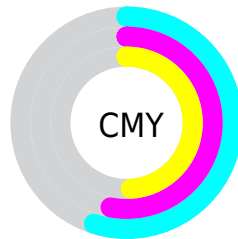


Cyan (12%)

Magenta (9%)

Yellow (0%)

Black (49%)



Cyan (55%)

Magenta (53%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4772, 0.2944, 0.3062 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 18.4772, 0.2944, 0.3062 by changing the saturation by 10% instead.

■ 18.4772, 0.2944,
0.3062

■ 18.4772, 0.2944,
0.3062

■ 243.5472, 0.3050,
0.3193

■ 11.2931, 0.2912,
0.3022

■ 40.8488, 0.2986,
0.3114

■ 6.2644, 0.2865,
0.2965

■ 56.8051, 0.3001,
0.3133

■ 3.0065, 0.2794,
0.2878

■ 76.4543, 0.3013,
0.3147

■ 1.1351, 0.2669,
0.2728

■ 100.1808, 0.3023,
0.3160

■ 0.0077, 0.0625,
0.0142

■ 128.3689, 0.3031,
0.3170

■ 0.0000, 0.0000,
0.0000

161.4031, 0.3038,

0.3179

199.6677, 0.3044,
0.3186

■ 18.4772, 0.2944,
0.3062

■ 18.4772, 0.2944,
0.3062

■ 15.4307, 0.2780,
0.2850

■ 21.8938, 0.3096,
0.3251

■ 12.7393, 0.2607,
0.2616

■ 25.6902, 0.3234,
0.3419

■ 10.3904, 0.2426,
0.2363

■ 29.8786, 0.3360,
0.3566

■ 8.3699, 0.2244,
0.2095

■ 34.4700, 0.3474,
0.3695

■ 6.6624, 0.2068,
0.1821

■ 39.4748, 0.3576,
0.3807

■ 5.2513, 0.1907,
0.1551

■ 44.9032, 0.3667,
0.3905

■ 4.1185, 0.1768,
0.1299

■ 50.7649, 0.3749,
0.3990

■ 3.2433, 0.1661,
0.1079

■ 57.0695, 0.3823,
0.4065

■ 2.7063, 0.1592,
0.0930

■ 63.8261, 0.3889,
0.4130

Harmonies

Analogous

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



18.4772, 0.2875, 0.3109



18.4772, 0.2944, 0.3062



18.4772, 0.3062, 0.3074

Triad

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



18.4772, 0.2944, 0.3062



18.4772, 0.3389, 0.3364



18.4772, 0.3051, 0.3446

Complementary

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



18.4772, 0.2944, 0.3062



21.2458, 0.3310, 0.3508

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.



18.4772, 0.3188, 0.3517



18.4772, 0.2944, 0.3062



18.4772, 0.3385, 0.3466

Square

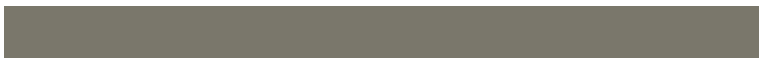
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



18.4772, 0.2944, 0.3062



18.4772, 0.3321, 0.3246



18.4772, 0.3311, 0.3524



18.4772, 0.2936, 0.3331

Rectangle

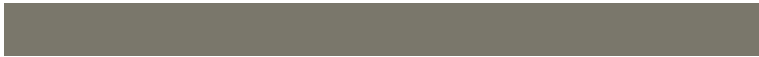
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18.4772, 0.2944, 0.3062



18.4772, 0.3154, 0.3114



18.4772, 0.3311, 0.3524



18.4772, 0.3096, 0.3476

Sweetspot

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



18.4780, 0.2944, 0.3062



37.9991, 0.3068, 0.3217



21.4100, 0.2989, 0.3364



8.7483, 0.3058, 0.3205



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.



18.4780, 0.2944, 0.3062



31.3039, 0.2894, 0.2998



17.8269, 0.2991, 0.2989



4.7193, 0.2992, 0.3122



2.6679, 0.1592, 0.0932



0.0194, 0.1797, 0.1669

Inverse Universe

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



18.4223, 0.3287, 0.3217



31.2141, 0.3335, 0.3198



21.9819, 0.3253, 0.3582



4.7063, 0.3243, 0.3236



4.8563, 0.5863, 0.3003



0.0178, 0.4845, 0.2442

Previews

White Background



This preview shows how the Yxy color 18.4772, 0.2944, 0.3062 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 18.4772, 0.2944, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

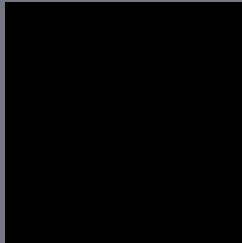
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

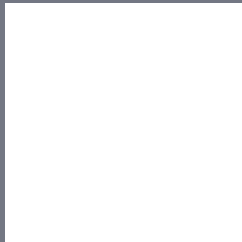
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.4772, 0.2944, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 18.4772, 0.2944, 0.3062.

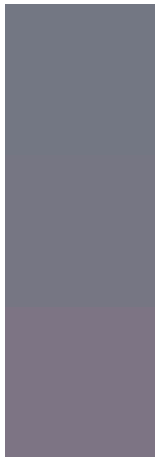


This preview shows how white text looks on a background with the Yxy color 18.4772, 0.2944, 0.3062.

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

18.4772, 0.2944, 0.3062

Protanopia

18.4471, 0.2979, 0.3045

Deuteranopia

18.5167, 0.3053, 0.2997



Tritanopia

18.4235, 0.2965, 0.3099

Trichromacy



Original Color

18.4772, 0.2944, 0.3062

Protanomaly

18.3775, 0.2967, 0.3044

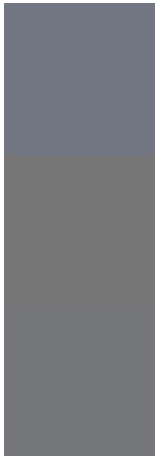
Deuteranomaly

18.4535, 0.3004, 0.3011

Tritanomaly

18.4502, 0.2955, 0.3080

Monochromacy



Original Color

18.4772, 0.2944, 0.3062

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.4753, 0.3069, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4772, 0.2944, 0.3062 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(115, 119, 131)` looks like.

```
.text, #text, p{  
    color:rgb(115, 119, 131)  
}
```

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(115, 119, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 119, 131) }
```

Border

The CSS property to change the border of an element to Yxy 18.4772, 0.2944, 0.3062 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(115, 119, 131) }
```

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

```
.border{ border-color:rgb(115, 119, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 119, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 119, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 119, 131);  
box-shadow:4px 4px 4px 4px rgb(115, 119,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4772, 0.2944, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 119, 131) }
```

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

```
.background{ background-color: rgb(115,  
119, 131) }
```

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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