

Converting Colors

$Y_{xy}(18.8634, 0.2556, 0.3330)$

Have a look what the booklet for
Yxy(18.8634, 0.2556, 0.3330)
contains.

Yxy(18.8634, 0.2556, 0.3330)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8634, 0.2556, 0.3330)

Conversions

Conversions Part 1

Format	Color
Hex	478280
RGB	71, 130, 128
RGB Percent	28%, 51%, 50%
CMY	0.7215, 0.4902, 0.4980
CMYK	0.45, 0.00, 0.02, 0.49
HSL	178°, 29%, 39%
HSV	178°, 45%, 51%
XYZ	14.4789, 18.8634, 23.3045
YIQ	112.1310, -34.5220, -13.1300

Conversions

Conversions Part 2

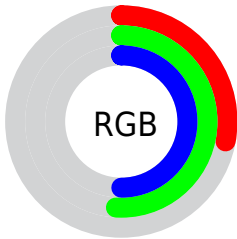
Format	Color
R_{YB}	71, 101, 130
Decimal	4686464
CIE _{Lab}	50.53, -19.72, -4.93
CIE _{LCh}	51, 20.326, 194.045
Yxy	18.8634, 0.2556, 0.3330
Android (android.graphics.Color)	4282876544 (0xFF478280)
YUV	112.1310, 7.8234, -36.0719
Hunter-Lab	43.4320, -16.4995, -1.4111

Details

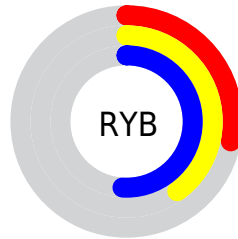
The Yxy color **18.8634, 0.2556, 0.3330** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **9.7354, 0.4233, 0.3255**, and the grayscale version is **16.2295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4141, 0.2680, 0.3318**, and **6.4034, 0.2322, 0.3322** is the 20% darker color. If you saturate the color by 10%, you get **18.4125, 0.2467, 0.3340**, and if you desaturate by 10%, it is **19.4210, 0.2661, 0.3320**.

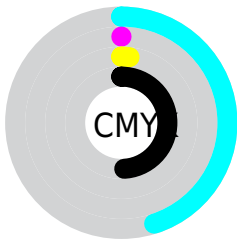
Distribution



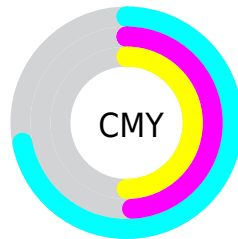
- Red (28%)
- Green (51%)
- Blue (50%)



- Red (28%)
- Yellow (40%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (2%)
- Black (49%)





- Cyan (72%)
- Magenta (49%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8634, 0.2556, 0.3330 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 18.8634, 0.2556, 0.3330 by changing the saturation by 10% instead.


 18.8634, 0.2556,
0.3330


 18.8634, 0.2556,
0.3330


245.6936, 0.2880,
0.3312


 11.5716, 0.2459,
0.3333


 41.5032, 0.2685,
0.3324

 6.4527, 0.2323,
0.3334


 57.6199, 0.2730,
0.3322

 3.1223, 0.2120,
0.3332

 77.4471, 0.2766,
0.3320

 1.1959, 0.1743,
0.3329

 101.3691, 0.2797,
0.3318

 0.0583, 0.0000,
0.1250

 129.7704, 0.2822,
0.3316

 0.0000, 0.0000,
0.0000

163.0353, 0.2844,

0.3315

201.5483, 0.2863,
0.3313

■ 18.8634, 0.2556,
0.3330

■ 18.8634, 0.2556,
0.3330

■ 18.4125, 0.2467,
0.3340

■ 19.4210, 0.2661,
0.3320

■ 18.0592, 0.2394,
0.3351

■ 20.0894, 0.2780,
0.3311

■ 17.7969, 0.2340,
0.3361

■ 20.8748, 0.2911,
0.3302


■ 17.6168, 0.2303,
0.3372


■ 21.7826, 0.3050,
0.3294

■ 17.5057, 0.2282,
0.3382


■ 22.8178, 0.3195,
0.3287

 17.4617, 0.2274,
0.3387

 23.9850, 0.3344,
0.3280

 25.2889, 0.3494,
0.3274

 26.7335, 0.3644,
0.3269

 28.3230, 0.3791,
0.3265

Harmonies

Analogous

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



18.8634, 0.2842, 0.3695



18.8634, 0.2556, 0.3330



18.8634, 0.2421, 0.2980

Triad

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



18.8634, 0.2556, 0.3330



18.8634, 0.3002, 0.2734



18.8634, 0.3831, 0.3804

Complementary

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



18.8634, 0.2556, 0.3330



9.7354, 0.4233, 0.3255

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.



18.8634, 0.3889, 0.3525



18.8634, 0.2556, 0.3330



18.8634, 0.3393, 0.2929

Square

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



18.8634, 0.2556, 0.3330



18.8634, 0.2666, 0.2665



18.8634, 0.3725, 0.3211



18.8634, 0.3580, 0.3967

Rectangle

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



18.8634, 0.2556, 0.3330



18.8634, 0.2428, 0.2808



18.8634, 0.3725, 0.3211



18.8634, 0.3875, 0.3719

Sweetspot

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



18.8641, 0.2556, 0.3330



36.9209, 0.2925, 0.3301



17.8747, 0.3094, 0.4631



8.2952, 0.2900, 0.3303



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.8641, 0.2556, 0.3330



32.4368, 0.2468, 0.3340



12.7436, 0.2440, 0.2698



4.8845, 0.2997, 0.3297



16.7435, 0.2274, 0.3387



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.7354, 0.4233, 0.3255



14.3105, 0.4623, 0.3249



13.8539, 0.4031, 0.3807



4.3464, 0.3273, 0.3283



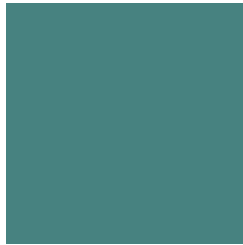
4.5599, 0.6346, 0.3269



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.8634, 0.2556, 0.3330 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 18.8634, 0.2556, 0.3330 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

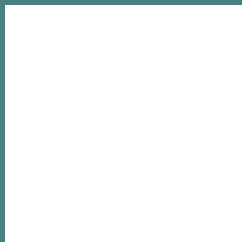
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.8634, 0.2556, 0.3330

Background



This preview shows how black text looks on a background with the Yxy color 18.8634, 0.2556, 0.3330.



This preview shows how white text looks on a background with the Yxy color 18.8634, 0.2556, 0.3330.

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

18.8634, 0.2556, 0.3330

Protanopia

18.6637, 0.3117, 0.3233

Deuteranopia

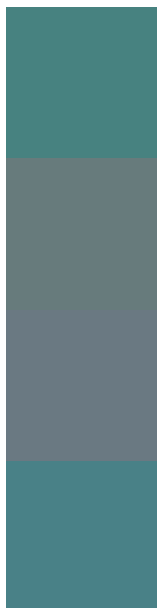
18.5651, 0.3077, 0.3015



Tritanopia

18.7583, 0.2484, 0.3065

Trichromacy



Original Color

18.8634, 0.2556, 0.3330

Protanomaly

18.5047, 0.2882, 0.3269

Deuteranomaly

18.3506, 0.2852, 0.3114

Tritanomaly

18.8663, 0.2511, 0.3165

Monochromacy



Original Color

18.8634, 0.2556, 0.3330

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.0430, 0.2874, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8634, 0.2556, 0.3330 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, 130, 128)` looks like.

```
.text, #text, p{  
  color:rgb(71, 130, 128)  
}
```

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, 130, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 130, 128) }
```

Border

The CSS property to change the border of an element to Yxy 18.8634, 0.2556, 0.3330 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, 130, 128) }
```

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

```
.border{ border-color:rgb(71, 130, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 130, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 130, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 130, 128);  
box-shadow:4px 4px 4px 4px rgb(71, 130,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8634, 0.2556, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 130, 128) }
```

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

```
.background{ background-color: rgb(71, 130,  
128) }
```

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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