

Converting Colors

$Y_{xy}(18.3447, 0.2650, 0.3436)$

Have a look what the booklet for
Yxy(18.3447, 0.2650, 0.3436)
contains.

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Color

Yxy(18.3553, 0.2650, 0.3438)

Conversions

Conversions Part 1

Format	Color
Hex	4C8079
RGB	76, 128, 121
RGB Percent	30%, 50%, 47%
CMY	0.7021, 0.4980, 0.5255
CMYK	0.41, 0.00, 0.05, 0.50
HSL	172°, 26%, 40%
HSV	172°, 41%, 50%
XYZ	14.1482, 18.3553, 20.8860
YIQ	111.6540, -28.7450, -13.2010

Conversions

Conversions Part 2

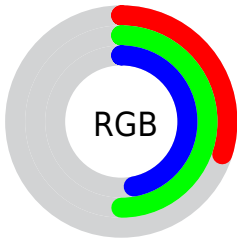
Format	Color
RYB	76, 104, 128
Decimal	5013625
CIELab	49.92, -19.17, -1.68
CIElCh	50, 19.243, 185.013
Yxy	18.3553, 0.2650, 0.3438
Android (android.graphics.Color)	4283203705 (0xFF4C8079)
YUV	111.6540, 4.6076, -31.2686
Hunter-Lab	42.8431, -16.0288, 1.0863

Details

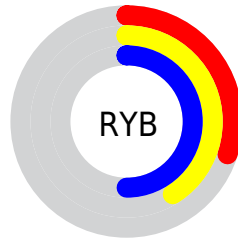
The Yxy color **18.3553, 0.2650, 0.3438** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.3771, 0.3963, 0.3153**, and the grayscale version is **16.0868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.6541, 0.2764, 0.3409**, and **6.2797, 0.2449, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **17.8413, 0.2561, 0.3481**, and if you desaturate by 10%, it is **18.9759, 0.2753, 0.3398**.

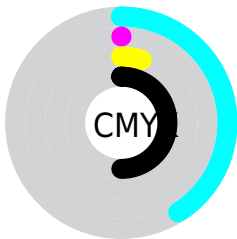
Distribution



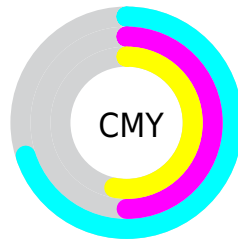
- Red (30%)
- Green (50%)
- Blue (47%)



- Red (30%)
- Yellow (41%)
- Blue (50%)



- Cyan (41%)
- Magenta (0%)
- Yellow (5%)
- Black (50%)





- Cyan (70%)
- Magenta (50%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3553, 0.2650, 0.3438 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 18.3553, 0.2650, 0.3438 by changing the saturation by 10% instead.


 18.3553, 0.2650,
0.3438


 18.3553, 0.2650,
0.3438


242.8661, 0.2923,
0.3355


 11.2054, 0.2567,
0.3463


 40.6418, 0.2760,
0.3405


 6.2051, 0.2448,
0.3497

 56.5472, 0.2797,
0.3394

 2.9702, 0.2268,
0.3547

 76.1399, 0.2828,
0.3384

 1.1162, 0.1889,
0.3659

 99.8042, 0.2854,
0.3376

 0.0000, 0.0000,
0.0000

 127.9246, 0.2875,
0.3370

160.8855, 0.2894,

0.3364

199.0712, 0.2910,
0.3359

■ 18.3553, 0.2650,
0.3438

■ 18.3553, 0.2650,
0.3438

■ 17.8413, 0.2561,
0.3481

■ 18.9759, 0.2753,
0.3398

■ 17.4254, 0.2487,
0.3525

■ 19.7065, 0.2867,
0.3360

■ 17.1014, 0.2431,
0.3570


■ 20.5532, 0.2990,
0.3324

■ 16.8616, 0.2393,
0.3615


■ 21.5210, 0.3118,
0.3292

■ 16.6969, 0.2372,
0.3661


■ 22.6145, 0.3251,
0.3263

 16.5834, 0.2362,
0.3704

 23.8381, 0.3385,
0.3237

 25.1961, 0.3519,
0.3213

 26.6925, 0.3651,
0.3193

 28.3310, 0.3780,
0.3175

Harmonies

Analogous

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



18.3553, 0.2958, 0.3763



18.3553, 0.2650, 0.3438



18.3553, 0.2473, 0.3087

Triad

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



18.3553, 0.2650, 0.3438



18.3553, 0.2901, 0.2723



18.3553, 0.3838, 0.3711

Complementary

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



18.3553, 0.2650, 0.3438



10.3771, 0.3963, 0.3153

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.



18.3553, 0.3829, 0.3426



18.3553, 0.2650, 0.3438



18.3553, 0.3269, 0.2877

Square

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



18.3553, 0.2650, 0.3438



18.3553, 0.2611, 0.2699



18.3553, 0.3616, 0.3128



18.3553, 0.3648, 0.3907

Rectangle

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



18.3553, 0.2650, 0.3438



18.3553, 0.2445, 0.2897



18.3553, 0.3616, 0.3128



18.3553, 0.3859, 0.3622

Sweetspot

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



18.3560, 0.2650, 0.3438



35.9267, 0.2969, 0.3330



17.8360, 0.3157, 0.4448



8.3737, 0.2956, 0.3333



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.



18.3560, 0.2650, 0.3438



31.4514, 0.2565, 0.3478



14.2005, 0.2529, 0.2890



4.8772, 0.3009, 0.3319



16.4412, 0.2362, 0.3703



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3771, 0.3963, 0.3153



15.3384, 0.4271, 0.3124



13.1479, 0.3952, 0.3653



4.3530, 0.3259, 0.3261



4.5915, 0.6169, 0.3172



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3553, 0.2650, 0.3438 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 18.3553, 0.2650, 0.3438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

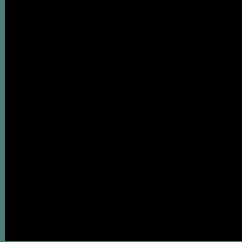
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3553, 0.2650, 0.3438

Background



This preview shows how black text looks on a background with the Yxy color 18.3553, 0.2650, 0.3438.



This preview shows how white text looks on a background with the Yxy color 18.3553, 0.2650, 0.3438.

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

18.3553, 0.2650, 0.3438

Protanopia

18.2596, 0.3201, 0.3348

Deuteranopia

18.2287, 0.3174, 0.3123



Tritanopia

18.4048, 0.2550, 0.3085

Trichromacy



Original Color

18.3553, 0.2650, 0.3438

Protanomaly

18.2067, 0.2979, 0.3390

Deuteranomaly

18.0511, 0.2948, 0.3230

Tritanomaly

18.4797, 0.2587, 0.3206

Monochromacy



Original Color

18.3553, 0.2650, 0.3438

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8473, 0.2928, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3553, 0.2650, 0.3438 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(76, 128, 121)` looks like.

```
.text, #text, p{  
    color:rgb(76, 128, 121)  
}
```

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(76, 128, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 128, 121) }
```

Border

The CSS property to change the border of an element to Yxy 18.3553, 0.2650, 0.3438 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(76, 128, 121) }
```

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

```
.border{ border-color:rgb(76, 128, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 128, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 128, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 128, 121);  
box-shadow:4px 4px 4px 4px rgb(76, 128,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3553, 0.2650, 0.3438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 128, 121) }
```

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

```
.background{ background-color: rgb(76, 128,  
121) }
```

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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