

Converting Colors

$Y_{xy}(18.5155, 0.2711, 0.3645)$

Have a look what the booklet for
Yxy(18.5155, 0.2711, 0.3645)
contains.

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Color

Yxy(18.6134, 0.2709, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	4A8271
RGB	74, 130, 113
RGB Percent	29%, 51%, 44%
CMY	0.7100, 0.4902, 0.5569
CMYK	0.43, 0.00, 0.13, 0.49
HSL	162°, 27%, 40%
HSV	162°, 43%, 51%
XYZ	13.7845, 18.6134, 18.4862
YIQ	111.3180, -27.9190, -17.1590

Conversions

Conversions Part 2

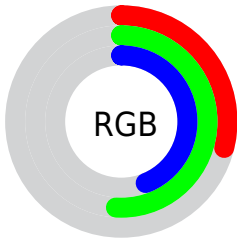
Format	Color
R_{YB}	74, 107, 130
Decimal	4883057
CIE _{Lab}	50.23, -22.79, 3.45
CIE _{LCh}	50, 23.045, 171.397
Y _{xy}	18.6134, 0.2709, 0.3658
Android (android.graphics.Color)	4283073137 (0xFF4A8271)
YUV	111.3180, 0.8292, -32.7279
Hunter-Lab	43.1432, -18.4690, 4.7955

Details

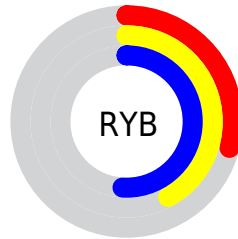
The Yxy color **18.6134, 0.2709, 0.3658** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **10.3937, 0.3856, 0.2960**, and the grayscale version is **15.9947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0192, 0.2807, 0.3562**, and **6.2895, 0.2527, 0.3826** is the 20% darker color. If you saturate the color by 10%, you get **18.0637, 0.2638, 0.3761**, and if you desaturate by 10%, it is **19.2751, 0.2793, 0.3561**.

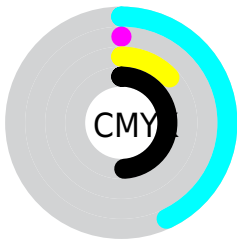
Distribution



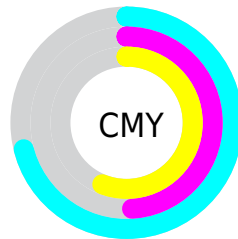
- Red (29%)
- Green (51%)
- Blue (44%)



- Red (29%)
- Yellow (42%)
- Blue (51%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (49%)



- Cyan (71%)
- Magenta (49%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6134, 0.2709, 0.3658 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 18.6134, 0.2709, 0.3658 by changing the saturation by 10% instead.

■ 18.6134, 0.2709,
0.3658

■ 18.6134, 0.2709,
0.3658

■ 244.3061, 0.2951,
0.3443

■ 11.3913, 0.2634,
0.3726

■ 41.0798, 0.2807,
0.3570

■ 6.3307, 0.2526,
0.3826

■ 57.0929, 0.2840,
0.3540

■ 3.0472, 0.2359,
0.3983

■ 76.8050, 0.2868,
0.3516

■ 1.1564, 0.1949,
0.4332

■ 100.6007, 0.2890,
0.3496

■ 0.0257, 0.0000,
1.0000

■ 128.8642, 0.2909,
0.3480

■ 0.0000, 0.0000,
0.0000

161.9800, 0.2925,

0.3465

200.3325, 0.2939,
0.3453

■ 18.6134, 0.2709,
0.3658

■ 18.6134, 0.2709,
0.3658

■ 18.0637, 0.2638,
0.3761

■ 19.2751, 0.2793,
0.3561

■ 17.6171, 0.2581,
0.3868

■ 20.0527, 0.2887,
0.3471

■ 17.2669, 0.2542,
0.3979


■ 20.9525, 0.2988,
0.3388


■ 17.0047, 0.2521,
0.4090

■ 21.9799, 0.3094,
0.3312


■ 16.8204, 0.2519,
0.4202


■ 23.1397, 0.3202,
0.3244

 16.7152, 0.2522,
0.4279

 24.4368, 0.3311,
0.3183

 25.8755, 0.3419,
0.3129

 27.4601, 0.3524,
0.3081

 29.1947, 0.3627,
0.3039

Harmonies

Analogous

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



18.6134, 0.3116, 0.3986



18.6134, 0.2709, 0.3658



18.6134, 0.2426, 0.3227

Triad

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



18.6134, 0.2709, 0.3658



18.6134, 0.2685, 0.2589



18.6134, 0.4002, 0.3634

Complementary

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



18.6134, 0.2709, 0.3658



10.3937, 0.3856, 0.2960

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.



18.6134, 0.3877, 0.3282



18.6134, 0.2709, 0.3658



18.6134, 0.3090, 0.2706

Square

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



18.6134, 0.2709, 0.3658



18.6134, 0.2414, 0.2635



18.6134, 0.3533, 0.2952



18.6134, 0.3873, 0.3931

Rectangle

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



18.6134, 0.2709, 0.3658



18.6134, 0.2336, 0.2964



18.6134, 0.3533, 0.2952



18.6134, 0.3989, 0.3518

Sweetspot

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



18.6141, 0.2709, 0.3658



36.8623, 0.2986, 0.3389



18.7221, 0.3263, 0.4490



8.2718, 0.2966, 0.3404



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.



18.6141, 0.2709, 0.3658



31.8008, 0.2637, 0.3761



16.4352, 0.2528, 0.3069



4.8653, 0.3030, 0.3356



16.0259, 0.2521, 0.4277



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.3937, 0.3856, 0.2960



15.2797, 0.4123, 0.2888



11.6177, 0.4100, 0.3495



4.3641, 0.3235, 0.3225



4.6951, 0.5672, 0.2898



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.6134, 0.2709, 0.3658 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 18.6134, 0.2709, 0.3658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

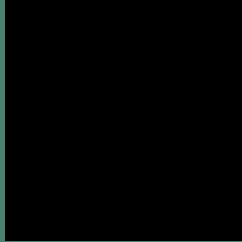
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6134, 0.2709, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 18.6134, 0.2709, 0.3658.

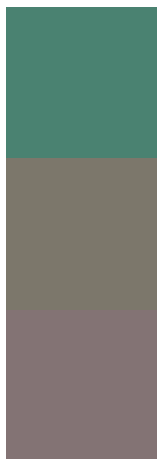


This preview shows how white text looks on a background with the Yxy color 18.6134, 0.2709, 0.3658.

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

18.6134, 0.2709, 0.3658

Protanopia

18.5403, 0.3335, 0.3520

Deuteranopia

18.3477, 0.3325, 0.3272



Tritanopia

18.6904, 0.2545, 0.3086

Trichromacy



Original Color

18.6134, 0.2709, 0.3658

Protanomaly

18.3342, 0.3078, 0.3574

Deuteranomaly

17.9857, 0.3061, 0.3390

Tritanomaly

18.6166, 0.2607, 0.3288

Monochromacy



Original Color

18.6134, 0.2709, 0.3658

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7234, 0.2949, 0.3416

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6134, 0.2709, 0.3658 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(74, 130, 113)` looks like.

```
.text, #text, p{  
    color:rgb(74, 130, 113)  
}
```

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(74, 130, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 130, 113) }
```

Border

The CSS property to change the border of an element to Yxy 18.6134, 0.2709, 0.3658 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(74, 130, 113) }
```

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

```
.border{ border-color:rgb(74, 130, 113) }
```

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

Here you see how a box with a 4 pixel rgb(74, 130, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 130, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 130, 113);  
box-shadow:4px 4px 4px 4px rgb(74, 130,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6134, 0.2709, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 130, 113) }
```

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

```
.background{ background-color: rgb(74, 130,  
113) }
```

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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