

Converting Colors

$Y_{xy}(23.8690, 0.2739, 0.3963)$

Have a look what the booklet for
Yxy(23.8690, 0.2739, 0.3963)
contains.

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Color

Yxy(23.8735, 0.2736, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	4A9473
RGB	74, 148, 115
RGB Percent	29%, 58%, 45%
CMY	0.7098, 0.4196, 0.5491
CMYK	0.50, 0.00, 0.22, 0.42
HSL	153°, 33%, 44%
HSV	153°, 50%, 58%
XYZ	16.5069, 23.8735, 19.9519
YIQ	122.1120, -33.5110, -25.9510

Conversions

Conversions Part 2

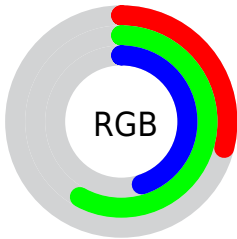
Format	Color
R_{YB}	74, 122, 148
Decimal	4887667
CIE _{Lab}	55.96, -31.21, 10.47
CIE _{LCh}	56, 32.924, 161.453
Yxy	23.8735, 0.2736, 0.3957
Android (android.graphics.Color)	4283077747 (0xFF4A9473)
YUV	122.1120, -3.5062, -42.1942
Hunter-Lab	48.8605, -25.2019, 9.9916

Details

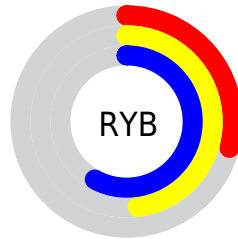
The Yxy color **23.8735, 0.2736, 0.3957** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2545, 0.3853, 0.2727**, and the grayscale version is **19.5197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0139, 0.2823, 0.3808**, and **9.0562, 0.2574, 0.4250** is the 20% darker color. If you saturate the color by 10%, you get **23.2080, 0.2687, 0.4121**, and if you desaturate by 10%, it is **24.6900, 0.2799, 0.3801**.

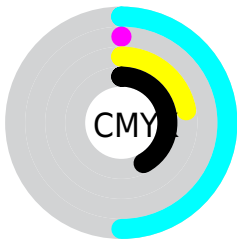
Distribution



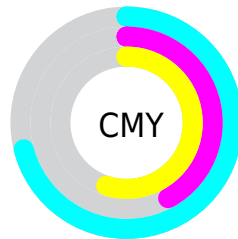
- Red (29%)
- Green (58%)
- Blue (45%)



- Red (29%)
- Yellow (48%)
- Blue (58%)



- Cyan (50%)
- Magenta (0%)
- Yellow (22%)
- Black (42%)





- Cyan (71%)
- Magenta (42%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8735, 0.2736, 0.3957 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 23.8735, 0.2736, 0.3957 by changing the saturation by 10% instead.


 23.8735, 0.2736,
0.3957


 23.8735, 0.2736,
0.3957


272.1803, 0.2960,
0.3572


 15.2398, 0.2668,
0.4076


 49.8237, 0.2825,
0.3802

 8.9879, 0.2572,
0.4245


 67.9090, 0.2856,
0.3749

 4.7333, 0.2426,
0.4505

 89.9136, 0.2882,
0.3705

 2.0916, 0.2179,
0.4955

 116.2219, 0.2903,
0.3670

 0.6599, 0.0000,
1.0000

 147.2184, 0.2920,
0.3639

 0.0000, 0.0000,
0.0000

183.2873, 0.2935,

0.3614

224.8132, 0.2948,
0.3591

■ 23.8735, 0.2736,
0.3957

■ 23.8735, 0.2736,
0.3957

■ 23.2080, 0.2687,
0.4121

■ 24.6900, 0.2799,
0.3801

■ 22.6806, 0.2655,
0.4290

■ 25.6638, 0.2872,
0.3656

■ 22.2808, 0.2641,
0.4461

■ 26.8041, 0.2953,
0.3522

■ 21.9954, 0.2646,
0.4630

■ 28.1188, 0.3039,
0.3400

■ 21.7904, 0.2665,
0.4795

■ 29.6150, 0.3127,
0.3290

■ 31.2996, 0.3216,
0.3192

■ 33.1792, 0.3305,
0.3105

■ 35.2598, 0.3391,
0.3029

■ 37.5474, 0.3475,
0.2961

Harmonies

Analogous

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



23.8735, 0.3287, 0.4304



23.8735, 0.2736, 0.3957



23.8735, 0.2314, 0.3385

Triad

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



23.8735, 0.2736, 0.3957



23.8735, 0.2415, 0.2386



23.8735, 0.4262, 0.3564

Complementary

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



23.8735, 0.2736, 0.3957



12.2545, 0.3853, 0.2727

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.



23.8735, 0.3991, 0.3120



23.8735, 0.2736, 0.3957



23.8735, 0.2883, 0.2474

Square

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



23.8735, 0.2736, 0.3957



23.8735, 0.2148, 0.2505



23.8735, 0.3467, 0.2735



23.8735, 0.4189, 0.3990

Rectangle

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



23.8735, 0.2736, 0.3957



23.8735, 0.2152, 0.3011



23.8735, 0.3467, 0.2735



23.8735, 0.4209, 0.3414

Sweetspot

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



23.8745, 0.2736, 0.3957



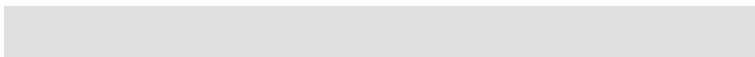
48.3436, 0.2993, 0.3463



24.8201, 0.3378, 0.4677



10.9361, 0.2976, 0.3486



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



23.8745, 0.2736, 0.3957



40.8228, 0.2682, 0.4141



23.6328, 0.2477, 0.3218



6.5190, 0.3046, 0.3391



18.6164, 0.2662, 0.4785



0.2338, 0.2462, 0.4064

Inverse Universe

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



12.2545, 0.3853, 0.2727



17.8974, 0.4110, 0.2623



12.1957, 0.4446, 0.3357



5.8558, 0.3217, 0.3192



5.7194, 0.5132, 0.2601



0.0758, 0.4173, 0.2073

Previews

White Background



This preview shows how the Yxy color 23.8735, 0.2736, 0.3957 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 23.8735, 0.2736, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

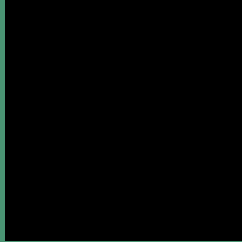
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8735, 0.2736, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 23.8735, 0.2736, 0.3957.



This preview shows how white text looks on a background with the Yxy color 23.8735, 0.2736, 0.3957.

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

23.8735, 0.2736, 0.3957

Protanopia

23.5205, 0.3496, 0.3724

Deuteranopia

23.6117, 0.3505, 0.3457



Tritanopia

23.9093, 0.2504, 0.3086

Trichromacy



Original Color

23.8735, 0.2736, 0.3957

Protanomaly

23.1066, 0.3169, 0.3795

Deuteranomaly

23.1273, 0.3168, 0.3619

Tritanomaly

23.8936, 0.2585, 0.3384

Monochromacy



Original Color

23.8735, 0.2736, 0.3957

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.5678, 0.2960, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8735, 0.2736, 0.3957 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, 148, 115)` looks like.

```
.text, #text, p{  
    color:rgb(74, 148, 115)  
}
```

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, 148, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 148, 115) }
```

Border

The CSS property to change the border of an element to Yxy 23.8735, 0.2736, 0.3957 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, 148, 115) }
```

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

```
.border{ border-color:rgb(74, 148, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 148, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 148, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 148, 115);  
box-shadow:4px 4px 4px 4px rgb(74, 148,  
115) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8735, 0.2736, 0.3957$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 148, 115) }
```

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

```
.background{ background-color: rgb(74, 148,  
115) }
```

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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