

Converting Colors

$Y_{xy}(24.1805, 0.3022, 0.3778)$

Have a look what the booklet for
Yxy(24.1805, 0.3022, 0.3778)
contains.

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Color

$\text{Yxy}(24.1805, 0.3022, 0.3778)$

Conversions

Conversions Part 1

Format	Color
Hex	6D8F75
RGB	109, 143, 117
RGB Percent	43%, 56%, 46%
CMY	0.5725, 0.4392, 0.5411
CMYK	0.24, 0.00, 0.18, 0.44
HSL	134°, 13%, 49%
HSV	134°, 24%, 56%
XYZ	19.3418, 24.1805, 20.4811
YIQ	129.8700, -11.9180, -15.2940

Conversions

Conversions Part 2

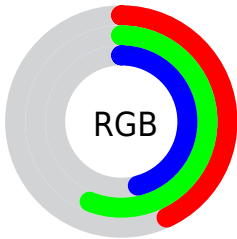
Format	Color
R_{YB}	109, 137, 143
Decimal	7180149
CIE _{Lab}	56.27, -17.40, 10.01
CIE _{LCh}	56, 20.075, 150.103
Yxy	24.1805, 0.3022, 0.3778
Android (android.graphics.Color)	4285370229 (0xFF6D8F75)
YUV	129.8700, -6.3449, -18.3030
Hunter-Lab	49.1737, -15.8432, 9.7270

Details

The Yxy color **24.1805, 0.3022, 0.3778** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5293, 0.3253, 0.2847**, and the grayscale version is **22.3025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3741, 0.3047, 0.3670**, and **9.2190, 0.2964, 0.3988** is the 20% darker color. If you saturate the color by 10%, you get **23.1046, 0.2980, 0.4023**, and if you desaturate by 10%, it is **25.4360, 0.3066, 0.3556**.

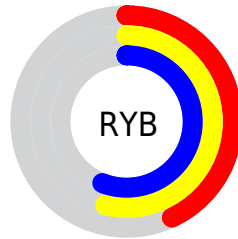
Distribution



Red (43%)

Green (56%)

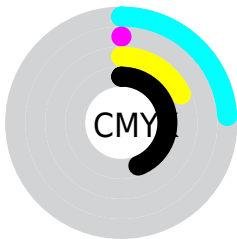
Blue (46%)



Red (43%)

Yellow (54%)

Blue (56%)

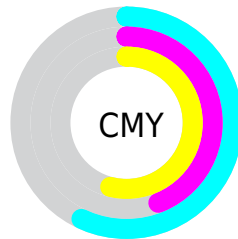


Cyan (24%)

Magenta (0%)

Yellow (18%)

Black (44%)



Cyan (57%)


Magenta (44%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1805, 0.3022, 0.3778 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 24.1805, 0.3022, 0.3778 by changing the saturation by 10% instead.


 24.1805, 0.3022,
0.3778


 24.1805, 0.3022,
0.3778


273.7318, 0.3084,
0.3500


 15.4676, 0.3002,
0.3862


 50.3246, 0.3047,
0.3667


 9.1482, 0.2973,
0.3981


 68.5245, 0.3056,
0.3628

 4.8380, 0.2927,
0.4163

 90.6556, 0.3063,
0.3597

 2.1525, 0.2845,
0.4470

 117.1022, 0.3069,
0.3571

 0.6939, 0.2384,
0.7048

148.2487, 0.3074,
0.3549

 0.0000, 0.0000,
0.0000

184.4796, 0.3078,

0.3530

226.1791, 0.3081,
0.3514

■ 24.1805, 0.3022,
0.3778

■ 24.1805, 0.3022,
0.3778

■ 23.1046, 0.2980,
0.4023

■ 25.4360, 0.3066,
0.3556

■ 22.1971, 0.2943,
0.4287

■ 26.8758, 0.3111,
0.3358

■ 21.4503, 0.2913,
0.4565

■ 28.5080, 0.3154,
0.3184

■ 20.8546, 0.2892,
0.4848

■ 30.3393, 0.3197,
0.3030

■ 20.3992, 0.2884,
0.5123

■ 32.3764, 0.3237,
0.2897

■ 20.0720, 0.2889,
0.5375

■ 34.6252, 0.3275,
0.2780

■ 19.8587, 0.2907,
0.5590

■ 37.0917, 0.3311,
0.2679

■ 19.7582, 0.2918,
0.5705

■ 39.7817, 0.3344,
0.2591

■ 42.7005, 0.3375,
0.2515

Harmonies

Analogous

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



24.1805, 0.3370, 0.3913



24.1805, 0.3022, 0.3778



24.1805, 0.2714, 0.3487

Triad

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



24.1805, 0.3022, 0.3778



24.1805, 0.2601, 0.2736



24.1805, 0.3773, 0.3374

Complementary

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



24.1805, 0.3022, 0.3778



18.5293, 0.3253, 0.2847

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.



24.1805, 0.3544, 0.3092



24.1805, 0.3022, 0.3778



24.1805, 0.2860, 0.2735

Square

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



24.1805, 0.3022, 0.3778



24.1805, 0.2481, 0.2879



24.1805, 0.3204, 0.2864



24.1805, 0.3816, 0.3652

Rectangle

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



24.1805, 0.3022, 0.3778



24.1805, 0.2569, 0.3259



24.1805, 0.3204, 0.2864



24.1805, 0.3715, 0.3277

Sweetspot

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



24.1815, 0.3022, 0.3778



47.2209, 0.3095, 0.3423



25.9058, 0.3382, 0.3880



10.7987, 0.3093, 0.3432



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.1815, 0.3022, 0.3778



42.1404, 0.2997, 0.3918



24.6163, 0.2867, 0.3455



6.0489, 0.3086, 0.3463



17.4731, 0.2916, 0.5697



0.1700, 0.2712, 0.4963

Inverse Universe

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



18.5293, 0.3253, 0.2847



30.0400, 0.3291, 0.2735



18.0899, 0.3475, 0.3132



5.4896, 0.3171, 0.3123



6.1495, 0.3890, 0.1917



0.0622, 0.3519, 0.1712

Previews

White Background



This preview shows how the Yxy color 24.1805, 0.3022, 0.3778 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 24.1805, 0.3022, 0.3778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

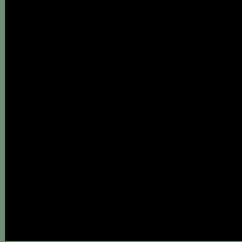
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1805, 0.3022, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 24.1805, 0.3022, 0.3778.



This preview shows how white text looks on a background with the Yxy color 24.1805, 0.3022, 0.3778.

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

24.1805, 0.3022, 0.3778

Protanopia

23.9932, 0.3448, 0.3651

Deuteranopia

24.0936, 0.3515, 0.3455



Tritanopia

24.0238, 0.2776, 0.3079

Trichromacy



Original Color

24.1805, 0.3022, 0.3778

Protanomaly

23.8521, 0.3288, 0.3701

Deuteranomaly

23.9782, 0.3320, 0.3569

Tritanomaly

24.1019, 0.2866, 0.3325

Monochromacy



Original Color

24.1805, 0.3022, 0.3778

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.9462, 0.3085, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1805, 0.3022, 0.3778 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(109, 143, 117)` looks like.

```
.text, #text, p{  
    color:rgb(109, 143, 117)  
}
```

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(109, 143, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 143, 117) }
```

Border

The CSS property to change the border of an element to Yxy 24.1805, 0.3022, 0.3778 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(109, 143, 117) }
```

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

```
.border{ border-color:rgb(109, 143, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 143, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 143, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 143, 117); box-shadow:4px 4px 4px 4px rgb(109, 143, 117) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1805, 0.3022, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 143, 117) }
```

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

```
.background{ background-color: rgb(109,  
143, 117) }
```

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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