

Converting Colors

$Y_{xy}(23.8347, 0.3370, 0.4163)$

Have a look what the booklet for
Yxy(23.8347, 0.3370, 0.4163)
contains.

Yxy(23.8510, 0.3366, 0.4161)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.8510, 0.3366, 0.4161)

Conversions

Conversions Part 1

Format	Color
Hex	788D5E
RGB	120, 141, 94
RGB Percent	47%, 55%, 37%
CMY	0.5293, 0.4471, 0.6314
CMYK	0.15, 0.00, 0.33, 0.45
HSL	87°, 20%, 46%
HSV	87°, 33%, 55%
XYZ	19.2940, 23.8510, 14.1753
YIQ	129.3630, 2.5710, -19.0690

Conversions

Conversions Part 2

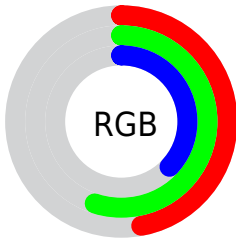
Format	Color
RYB	94, 141, 115
Decimal	7900510
CIELab	55.94, -16.22, 22.67
CIElCh	56, 27.875, 125.595
Yxy	23.8510, 0.3366, 0.4161
Android (android.graphics.Color)	4286090590 (0xFF788D5E)
YUV	129.3630, -17.4340, -8.2114
Hunter-Lab	48.8375, -14.9463, 16.9770

Details

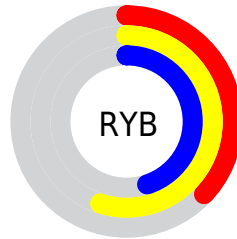
The Yxy color $23.8510, 0.3366, 0.4161$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $13.5700, 0.2813, 0.2405$, and the grayscale version is $22.1509, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9588, 0.3321, 0.3964$, and $9.0270, 0.3435, 0.4525$ is the 20% darker color. If you saturate the color by 10%, you get $23.1864, 0.3427, 0.4445$, and if you desaturate by 10%, it is $24.5934, 0.3298, 0.3883$.

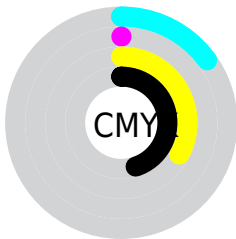
Distribution



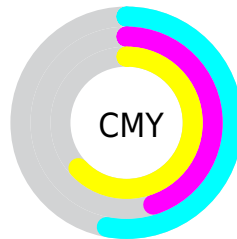
- Red (47%)
- Green (55%)
- Blue (37%)



- Red (37%)
- Yellow (55%)
- Blue (45%)



- Cyan (15%)
- Magenta (0%)
- Yellow (33%)
- Black (45%)





- Cyan (53%)
- Magenta (45%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8510, 0.3366, 0.4161 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 23.8510, 0.3366, 0.4161 by changing the saturation by 10% instead.


 23.8510, 0.3366,
0.4161


 23.8510, 0.3366,
0.4161


272.0663, 0.3244,
0.3663


 15.2231, 0.3395,
0.4311

 49.7869, 0.3322,
0.3962


 8.9761, 0.3429,
0.4521


 67.8638, 0.3305,
0.3893

 4.7256, 0.3464,
0.4833

 89.8591, 0.3291,
0.3837

 2.0872, 0.3597,
0.5514

 116.1573, 0.3279,
0.3790

 0.6574, 0.2582,
0.7418

147.1427, 0.3268,
0.3751

 0.0000, 0.0000,
0.0000

183.1997, 0.3259,

0.3717

224.7128, 0.3251,
0.3688

■ 23.8510, 0.3366,
0.4161

■ 23.8510, 0.3366,
0.4161

■ 23.1864, 0.3427,
0.4445

■ 24.5934, 0.3298,
0.3883

■ 22.5935, 0.3475,
0.4725

■ 25.4135, 0.3225,
0.3617

■ 22.0700, 0.3508,
0.4988

■ 26.3149, 0.3152,
0.3369

■ 21.6122, 0.3521,
0.5222

■ 27.3003, 0.3079,
0.3140


■ 21.2159, 0.3512,
0.5414

■ 28.3720, 0.3009,
0.2931

 20.8764, 0.3482,
0.5557

 29.5324, 0.2942,
0.2743

 20.6727, 0.3456,
0.5638

 30.7838, 0.2879,
0.2573

 32.1282, 0.2820,
0.2422

 33.5677, 0.2765,
0.2286

Harmonies

Analogous

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



23.8510, 0.3801, 0.4107



23.8510, 0.3366, 0.4161



23.8510, 0.2887, 0.3924

Triad

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



23.8510, 0.3366, 0.4161



23.8510, 0.2261, 0.2665



23.8510, 0.3784, 0.3079

Complementary

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



23.8510, 0.3366, 0.4161



13.5700, 0.2813, 0.2405

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.



23.8510, 0.3320, 0.2759



23.8510, 0.3366, 0.4161



23.8510, 0.2457, 0.2518

Square

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



23.8510, 0.3366, 0.4161



23.8510, 0.2272, 0.3002



23.8510, 0.2833, 0.2558



23.8510, 0.4065, 0.3461

Rectangle

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



23.8510, 0.3366, 0.4161



23.8510, 0.2607, 0.3636



23.8510, 0.2833, 0.2558



23.8510, 0.3642, 0.2962

Sweetspot

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



23.8520, 0.3366, 0.4161



46.0019, 0.3202, 0.3538



18.5872, 0.3751, 0.3657



10.2313, 0.3211, 0.3569



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



23.8520, 0.3366, 0.4161



41.8084, 0.3413, 0.4375



22.4053, 0.3115, 0.4232



6.1674, 0.3195, 0.3512



18.8602, 0.3459, 0.5636



0.1934, 0.3784, 0.5378

Inverse Universe

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



13.5700, 0.2813, 0.2405



20.4627, 0.2723, 0.2184



15.3194, 0.3122, 0.2482



5.3653, 0.3055, 0.3067



2.7231, 0.1948, 0.0847



0.0388, 0.2445, 0.1121

Previews

White Background



This preview shows how the Yxy color 23.8510, 0.3366, 0.4161 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 23.8510, 0.3366, 0.4161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

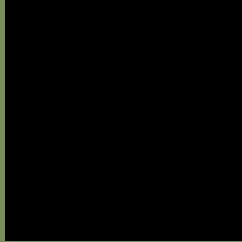
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8510, 0.3366, 0.4161

Background



This preview shows how black text looks on a background with the Yxy color 23.8510, 0.3366, 0.4161.



This preview shows how white text looks on a background with the Yxy color 23.8510, 0.3366, 0.4161.

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

23.8510, 0.3366, 0.4161

Protanopia

23.8253, 0.3728, 0.4021

Deuteranopia

23.6723, 0.3871, 0.3791



Tritanopia

23.8843, 0.2940, 0.3117

Trichromacy



Original Color

23.8510, 0.3366, 0.4161

Protanomaly

23.8983, 0.3591, 0.4081

Deuteranomaly

23.6393, 0.3679, 0.3922

Tritanomaly

23.6828, 0.3096, 0.3487

Monochromacy



Original Color

23.8510, 0.3366, 0.4161

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.4716, 0.3227, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8510, 0.3366, 0.4161 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(120, 141, 94)` looks like.

```
.text, #text, p{  
    color:rgb(120, 141, 94)  
}
```

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(120, 141, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 141, 94) }
```

Border

The CSS property to change the border of an element to Yxy 23.8510, 0.3366, 0.4161 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(120, 141, 94) }
```

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

```
.border{ border-color:rgb(120, 141, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 141, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 141, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 141, 94);  
box-shadow:4px 4px 4px 4px rgb(120, 141,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8510, 0.3366, 0.4161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 141, 94) }
```

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

```
.background{ background-color: rgb(120,  
141, 94) }
```

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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