

Converting Colors

$Y_{xy}(20.8195, 0.3128, 0.4447)$

Have a look what the booklet for
Yxy(20.8195, 0.3128, 0.4447)
contains.

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Color

Yxy(20.8762, 0.3123, 0.4443)

Conversions

Conversions Part 1

Format	Color
Hex	588A53
RGB	88, 138, 83
RGB Percent	35%, 54%, 33%
CMY	0.6549, 0.4588, 0.6746
CMYK	0.36, 0.00, 0.40, 0.46
HSL	115°, 25%, 43%
HSV	115°, 40%, 54%
XYZ	14.6740, 20.8762, 11.4366
YIQ	116.7800, -12.1450, -27.7050

Conversions

Conversions Part 2

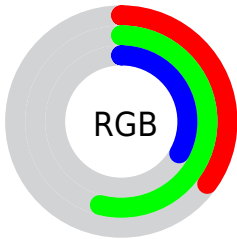
Format	Color
R_{YB}	83, 138, 133
Decimal	5802579
CIE _{Lab}	52.81, -28.38, 24.28
CIE _{LCh}	53, 37.350, 139.454
Yxy	20.8762, 0.3123, 0.4443
Android (android.graphics.Color)	4283992659 (0xFF588A53)
YUV	116.7800, -16.6535, -25.2401
Hunter-Lab	45.6905, -22.6313, 17.1427

Details

The Yxy color **20.8762, 0.3123, 0.4443** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.0050, 0.3098, 0.2322**, and the grayscale version is **17.7729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.9682, 0.3140, 0.4166**, and **7.5251, 0.3060, 0.4981** is the 20% darker color. If you saturate the color by 10%, you get **20.1244, 0.3114, 0.4782**, and if you desaturate by 10%, it is **21.7775, 0.3128, 0.4115**.

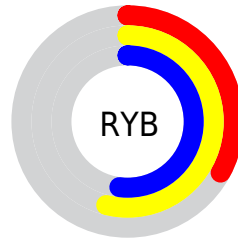
Distribution



Red (35%)

Green (54%)

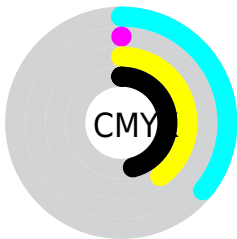
Blue (33%)



Red (33%)

Yellow (54%)

Blue (52%)

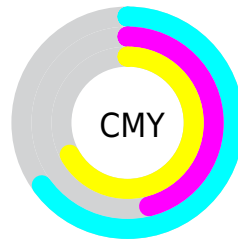


Cyan (36%)

Magenta (0%)

Yellow (40%)

Black (46%)



Cyan (65%)

Magenta (46%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8762, 0.3123, 0.4443 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 20.8762, 0.3123, 0.4443 by changing the saturation by 10% instead.


 20.8762, 0.3123,
0.4443


 20.8762, 0.3123,
0.4443


256.6198, 0.3146,
0.3758


 13.0335, 0.3104,
0.4663


 44.8814, 0.3139,
0.4161

 7.4516, 0.3065,
0.4981


 61.8127, 0.3142,
0.4066

 3.7461, 0.2980,
0.5477

 82.5424, 0.3144,
0.3989

 1.5326, 0.2996,
0.7004

 107.4548, 0.3145,
0.3927

 0.3115, 0.0000,
1.0000

 136.9344, 0.3146,
0.3874

 0.0000, 0.0000,
0.0000

171.3655, 0.3146,

0.3829

211.1325, 0.3146,
0.3791

■ 20.8762, 0.3123,
0.4443

■ 20.8762, 0.3123,
0.4443

■ 20.1244, 0.3114,
0.4782

■ 21.7775, 0.3128,
0.4115

■ 19.5116, 0.3102,
0.5114

■ 22.8330, 0.3130,
0.3810

■ 19.0299, 0.3085,
0.5419


■ 24.0504, 0.3129,
0.3533

■ 18.6697, 0.3065,
0.5672


■ 25.4362, 0.3127,
0.3287

■ 18.4200, 0.3044,
0.5855


■ 26.9964, 0.3124,
0.3070

 18.2620, 0.3028,
0.5976

 28.7368, 0.3119,
0.2882

 18.2604, 0.3028,
0.5978

 30.6629, 0.3115,
0.2718

 32.7801, 0.3110,
0.2575

 35.0932, 0.3105,
0.2452

Harmonies

Analogous

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



20.8762, 0.3775, 0.4516



20.8762, 0.3123, 0.4443



20.8762, 0.2507, 0.3921

Triad

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



20.8762, 0.3123, 0.4443



20.8762, 0.2046, 0.2309



20.8762, 0.4277, 0.3214

Complementary

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



20.8762, 0.3123, 0.4443



13.0050, 0.3098, 0.2322

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.



20.8762, 0.3709, 0.2749



20.8762, 0.3123, 0.4443



20.8762, 0.2416, 0.2247

Square

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



20.8762, 0.3123, 0.4443



20.8762, 0.1932, 0.2626



20.8762, 0.3010, 0.2408



20.8762, 0.4486, 0.3727

Rectangle

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



20.8762, 0.3123, 0.4443



20.8762, 0.2198, 0.3442



20.8762, 0.3010, 0.2408



20.8762, 0.4119, 0.3050

Sweetspot

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



20.8771, 0.3123, 0.4443



41.8515, 0.3130, 0.3597



22.6668, 0.3735, 0.4158



9.3340, 0.3130, 0.3626



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



20.8771, 0.3123, 0.4443



35.5728, 0.3115, 0.4753



21.0361, 0.2876, 0.3979



5.6286, 0.3129, 0.3515



16.7445, 0.3029, 0.5977



0.1137, 0.3160, 0.5873

Inverse Universe

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



13.0050, 0.3098, 0.2322



19.6546, 0.3086, 0.2113



12.8488, 0.3507, 0.2694



5.1062, 0.3124, 0.3073



5.7121, 0.2987, 0.1419



0.0411, 0.3104, 0.1484

Previews

White Background



This preview shows how the Yxy color 20.8762, 0.3123, 0.4443 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 20.8762, 0.3123, 0.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

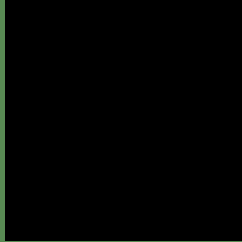
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8762, 0.3123, 0.4443

Background



This preview shows how black text looks on a background with the Yxy color 20.8762, 0.3123, 0.4443.



This preview shows how white text looks on a background with the Yxy color 20.8762, 0.3123, 0.4443.

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

20.8762, 0.3123, 0.4443

Protanopia

20.7901, 0.3819, 0.4145

Deuteranopia

20.6051, 0.3927, 0.3851



Tritanopia

20.8382, 0.2683, 0.3081

Trichromacy



Original Color

20.8762, 0.3123, 0.4443

Protanomaly

20.4664, 0.3539, 0.4251

Deuteranomaly

20.3627, 0.3592, 0.4059

Tritanomaly

20.8636, 0.2840, 0.3549

Monochromacy



Original Color

20.8762, 0.3123, 0.4443

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.7513, 0.3120, 0.3696

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8762, 0.3123, 0.4443 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(88, 138, 83)` looks like.

```
.text, #text, p{  
  color:rgb(88, 138, 83)  
}
```

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(88, 138, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 138, 83) }
```

Border

The CSS property to change the border of an element to Yxy 20.8762, 0.3123, 0.4443 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(88, 138, 83) }
```

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

```
.border{ border-color:rgb(88, 138, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 138, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 138, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 138, 83);  
box-shadow:4px 4px 4px 4px rgb(88, 138,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8762, 0.3123, 0.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 138, 83) }
```

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

```
.background{ background-color: rgb(88, 138,  
83) }
```

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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