

Converting Colors

$Y_{xy}(20.6221, 0.2747, 0.3852)$

Have a look what the booklet for
Yxy(20.6221, 0.2747, 0.3852)
contains.

Yxy(20.4949, 0.2744, 0.3841)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.4949, 0.2744, 0.3841)$

Conversions

Conversions Part 1

Format	Color
Hex	4A896F
RGB	74, 137, 111
RGB Percent	29%, 54%, 44%
CMY	0.7096, 0.4628, 0.5647
CMYK	0.46, 0.00, 0.19, 0.46
HSL	155°, 30%, 41%
HSV	155°, 46%, 54%
XYZ	14.6415, 20.4949, 18.2218
YIQ	115.1990, -29.2020, -21.4420

Conversions

Conversions Part 2

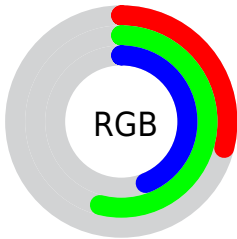
Format	Color
R_{YB}	74, 114, 137
Decimal	4884847
CIE _{Lab}	52.39, -26.76, 7.70
CIE _{LCh}	52, 27.849, 163.944
Y _{xy}	20.4949, 0.2744, 0.3841
Android (android.graphics.Color)	4283074927 (0xFF4A896F)
YUV	115.1990, -2.0701, -36.1315
Hunter-Lab	45.2713, -21.4948, 7.8255

Details

The Yxy color $20.4949, 0.2744, 0.3841$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.1433, 0.3802, 0.2811$, and the grayscale version is $17.2247, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.3416, 0.2830, 0.3707$, and $7.3240, 0.2582, 0.4116$ is the 20% darker color. If you saturate the color by 10%, you get $19.8888, 0.2686, 0.3988$, and if you desaturate by 10%, it is $21.2290, 0.2814, 0.3703$.

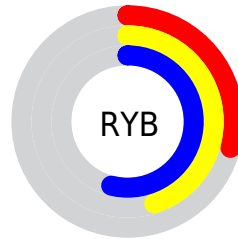
Distribution



Red (29%)

Green (54%)

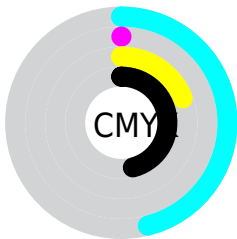
Blue (44%)



Red (29%)

Yellow (45%)

Blue (54%)

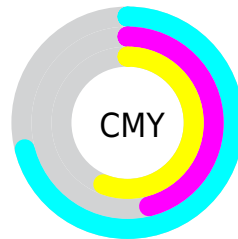


Cyan (46%)

Magenta (0%)

Yellow (19%)

Black (46%)



Cyan (71%)

Magenta (46%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4949, 0.2744, 0.3841 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 20.4949, 0.2744, 0.3841 by changing the saturation by 10% instead.

■ 20.4949, 0.2744,
0.3841

■ 20.4949, 0.2744,
0.3841

■ 254.5818, 0.2966,
0.3518

■ 12.7553, 0.2675,
0.3943

■ 44.2454, 0.2834,
0.3709

■ 7.2603, 0.2576,
0.4092

■ 61.0250, 0.2864,
0.3665

■ 3.6254, 0.2423,
0.4327

■ 81.5868, 0.2889,
0.3628

■ 1.4663, 0.2118,
0.4773

■ 106.3152, 0.2910,
0.3599

■ 0.2648, 0.0000,
1.0000

■ 135.5945, 0.2927,
0.3574

■ 0.0000, 0.0000,
0.0000

169.8091, 0.2942,

0.3552

209.3434, 0.2955,
0.3534

■ 20.4949, 0.2744,
0.3841

■ 20.4949, 0.2744,
0.3841

■ 19.8888, 0.2686,
0.3988

■ 21.2290, 0.2814,
0.3703

■ 19.4003, 0.2644,
0.4141

■ 22.0959, 0.2894,
0.3574

■ 19.0213, 0.2619,
0.4297

■ 23.1030, 0.2981,
0.3456

■ 18.7419, 0.2613,
0.4453

■ 24.2565, 0.3072,
0.3349


■ 18.5461, 0.2624,
0.4607


■ 25.5622, 0.3165,
0.3252

 18.4756, 0.2630,
0.4669

 27.0256, 0.3258,
0.3166

 28.6520, 0.3350,
0.3090

 30.4463, 0.3440,
0.3023

 32.4133, 0.3527,
0.2964

Harmonies

Analogous

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



20.4949, 0.3234, 0.4170



20.4949, 0.2744, 0.3841



20.4949, 0.2376, 0.3336

Triad

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



20.4949, 0.2744, 0.3841



20.4949, 0.2518, 0.2476



20.4949, 0.4144, 0.3579

Complementary

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



20.4949, 0.2744, 0.3841



11.1433, 0.3802, 0.2811

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.



20.4949, 0.3926, 0.3175



20.4949, 0.2744, 0.3841



20.4949, 0.2953, 0.2568

Square

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



20.4949, 0.2744, 0.3841



20.4949, 0.2257, 0.2571



20.4949, 0.3475, 0.2817



20.4949, 0.4059, 0.3953

Rectangle

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



20.4949, 0.2744, 0.3841



20.4949, 0.2239, 0.3009



20.4949, 0.3475, 0.2817



20.4949, 0.4104, 0.3443

Sweetspot

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



20.4957, 0.2744, 0.3841



41.6960, 0.2996, 0.3437



21.1105, 0.3339, 0.4557



9.2696, 0.2979, 0.3459



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.



20.4957, 0.2744, 0.3841



35.5933, 0.2685, 0.3992



19.6989, 0.2514, 0.3182



5.6542, 0.3042, 0.3382



17.2134, 0.2629, 0.4665



0.1173, 0.2442, 0.3991

Inverse Universe

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



11.1433, 0.3802, 0.2811



16.6867, 0.4037, 0.2715



11.4478, 0.4257, 0.3391



5.0806, 0.3220, 0.3200



5.2277, 0.5259, 0.2671



0.0375, 0.4267, 0.2124

Previews

White Background



This preview shows how the Yxy color 20.4949, 0.2744, 0.3841 looks on a white background.

Color Contrast Check

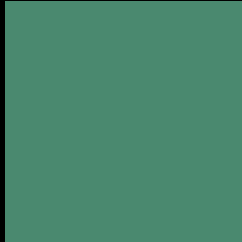
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4949, 0.2744, 0.3841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

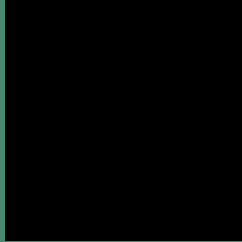
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4949, 0.2744, 0.3841

Background



This preview shows how black text looks on a background with the Yxy color 20.4949, 0.2744, 0.3841.



This preview shows how white text looks on a background with the Yxy color 20.4949, 0.2744, 0.3841.

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

20.4949, 0.2744, 0.3841

Protanopia

20.2401, 0.3448, 0.3660

Deuteranopia

20.2462, 0.3443, 0.3379



Tritanopia

20.5972, 0.2540, 0.3094

Trichromacy



Original Color

20.4949, 0.2744, 0.3841

Protanomaly

20.0770, 0.3142, 0.3725

Deuteranomaly

19.8496, 0.3140, 0.3521

Tritanomaly

20.3944, 0.2616, 0.3349

Monochromacy



Original Color

20.4949, 0.2744, 0.3841

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.0901, 0.2953, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4949, 0.2744, 0.3841 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, 137, 111)` looks like.

```
.text, #text, p{  
  color:rgb(74, 137, 111)  
}
```

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, 137, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 137, 111) }
```

Border

The CSS property to change the border of an element to Yxy 20.4949, 0.2744, 0.3841 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, 137, 111) }
```

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

```
.border{ border-color:rgb(74, 137, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 137, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 137, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 137, 111);  
box-shadow:4px 4px 4px 4px rgb(74, 137,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4949, 0.2744, 0.3841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 137, 111) }
```

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

```
.background{ background-color: rgb(74, 137,  
111) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor