

Converting Colors

$Y_{xy}(22.8924, 0.2832, 0.4152)$

Have a look what the booklet for
Yxy(22.8924, 0.2832, 0.4152)
contains.

Yxy(22.7461, 0.2826, 0.4140) 3

Conversions 4

Details 6

Harmonies 12

Previews 24

Color Blindness Simulation 27

CSS Examples 30

Color

$\text{Yxy}(22.7461, 0.2826, 0.4140)$

Conversions

Conversions Part 1	
Format	Color
Hex	4B9168
RGB	75, 145, 104
RGB Percent	29%, 57%, 41%
CMY	0.7058, 0.4314, 0.5921
CMYK	0.48, 0.00, 0.28, 0.43
HSL	145°, 32%, 43%
HSV	145°, 48%, 57%
XYZ	15.5267, 22.7461, 16.6695
YIQ	119.3960, -28.5590, -27.5910

Conversions

Conversions Part 2

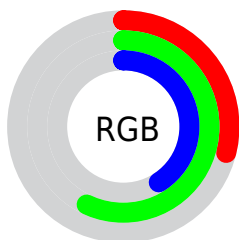
Format	Color
RYB	75, 124, 145
Decimal	4952424
CIELab	54.81, -31.89, 15.09
CIELCh	55, 35.279, 154.669
Yxy	22.7461, 0.2826, 0.4140
Android (android.graphics.Color)	4283142504 (0xFF4B9168)
YUV	119.3960, -7.5902, -38.9353
Hunter-Lab	47.6929, -25.3508, 12.6621

Details

The Yxy color **22.7461, 0.2826, 0.4140** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.3154, 0.3640, 0.2584**, and the grayscale version is **18.6129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8026, 0.2902, 0.3937**, and **8.4393, 0.2681, 0.4517** is the 20% darker color. If you saturate the color by 10%, you get **22.0633, 0.2786, 0.4357**, and if you desaturate by 10%, it is **23.5814, 0.2877, 0.3934**.

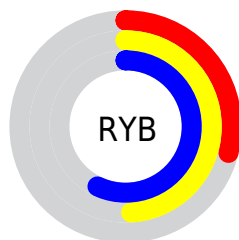
Distribution



Red (29%)

Green (57%)

Blue (41%)



Red (29%)

Yellow (49%)

Blue (57%)

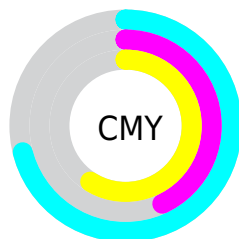


Cyan (48%)

Magenta (0%)

Yellow (28%)

Black (43%)



Cyan (71%)


Magenta (43%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7461, 0.2826, 0.4140 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 22.7461, 0.2826, 0.4140 by changing the saturation by 10% instead.


 22.7461, 0.2826,
0.4140


 22.7461, 0.2826,
0.4140


266.4182, 0.3006,
0.3642


 14.4061, 0.2768,
0.4297


 47.9761, 0.2900,
0.3937


 8.4037, 0.2682,
0.4524


 65.6349, 0.2925,
0.3868

 4.3543, 0.2545,
0.4880


 87.1688, 0.2945,
0.3812

 1.8737, 0.2305,
0.5538

 112.9622, 0.2961,
0.3766

 0.5325, 0.0000,
1.0000


 143.3994, 0.2975,
0.3728


 0.0000, 0.0000,
0.0000


178.8649, 0.2987,

0.3695


219.7430, 0.2997,
0.3667


 22.7461, 0.2826,
0.4140


 22.7461, 0.2826,
0.4140


 22.0633, 0.2786,
0.4357


 23.5814, 0.2877,
0.3934


 21.5206, 0.2761,
0.4580


 24.5753, 0.2937,
0.3742


 21.1079, 0.2753,
0.4803


 25.7367, 0.3002,
0.3566


 20.8128, 0.2763,
0.5017


 27.0733, 0.3070,
0.3408


 20.6099, 0.2787,
0.5216


 28.5920, 0.3139,
0.3267

 20.5778, 0.2792,
0.5250

 30.2996, 0.3208,
0.3141

 32.2024, 0.3275,
0.3031

 34.3064, 0.3340,
0.2934

 36.6174, 0.3402,
0.2849

Harmonies

Analogous

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



22.7461, 0.3433, 0.4430



22.7461, 0.2826, 0.4140



22.7461, 0.2330, 0.3539

Triad

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



22.7461, 0.2826, 0.4140



22.7461, 0.2271, 0.2323



22.7461, 0.4329, 0.3468

Complementary

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



22.7461, 0.2826, 0.4140



12.3154, 0.3640, 0.2584

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.



22.7461, 0.3956, 0.3001



22.7461, 0.2826, 0.4140



22.7461, 0.2730, 0.2373

Square

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



22.7461, 0.2826, 0.4140



22.7461, 0.2041, 0.2500



22.7461, 0.3348, 0.2614



22.7461, 0.4329, 0.3941

Rectangle

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



22.7461, 0.2826, 0.4140



22.7461, 0.2120, 0.3112



22.7461, 0.3348, 0.2614



22.7461, 0.4243, 0.3308

Sweetspot

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



22.7470, 0.2826, 0.4140



47.0030, 0.3029, 0.3501



24.5416, 0.3490, 0.4572



10.3558, 0.3015, 0.3533



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.



22.7470, 0.2826, 0.4140



39.4096, 0.2783, 0.4378



23.5825, 0.2558, 0.3424



6.0641, 0.3064, 0.3422



17.6552, 0.2788, 0.5238



0.1730, 0.2558, 0.4408

Inverse Universe

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



12.3154, 0.3640, 0.2584



18.4035, 0.3814, 0.2444



11.6636, 0.4272, 0.3170



5.4737, 0.3196, 0.3162



5.7303, 0.4556, 0.2283



0.0592, 0.3841, 0.1889

Previews

White Background



This preview shows how the Yxy color 22.7461, 0.2826, 0.4140 looks on a white background.

Color Contrast Check

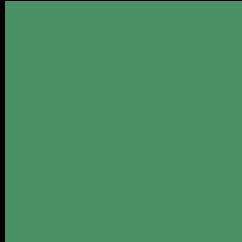
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7461, 0.2826, 0.4140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

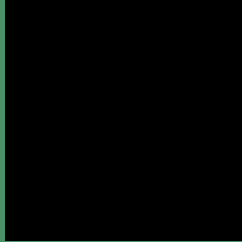
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7461, 0.2826, 0.4140

Background



This preview shows how black text looks on a background with the Yxy color 22.7461, 0.2826, 0.4140.



This preview shows how white text looks on a background with the Yxy color 22.7461, 0.2826, 0.4140.

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

22.7461, 0.2826, 0.4140

Protanopia

22.4038, 0.3620, 0.3870

Deuteranopia

22.3293, 0.3653, 0.3577



Tritanopia

22.6935, 0.2536, 0.3083

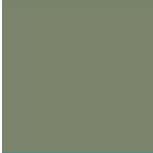
Trichromacy



Original Color
22.7461, 0.2826, 0.4140



Protanomaly
21.9610, 0.3275, 0.3959



Deuteranomaly
21.7750, 0.3291, 0.3757



Tritanomaly
22.5822, 0.2643, 0.3445

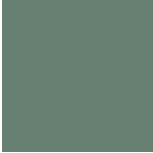
Monochromacy



Original Color
22.7461, 0.2826, 0.4140



Achromatopsia
18.4475, 0.3127, 0.3290



Achromatomaly
19.5368, 0.2988, 0.3571

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7461, 0.2826, 0.4140 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(75, 145, 104)` looks like.

```
.text, #text, p{  
    color:rgb(75, 145, 104)  
}
```

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(75, 145, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 145, 104) }
```

Border

The CSS property to change the border of an element to Yxy 22.7461, 0.2826, 0.4140 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(75, 145, 104) }
```

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

```
.border{ border-color:rgb(75, 145, 104) }
```

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

Here you see how a box with a 4 pixel rgb(75, 145, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 145, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 145, 104);  
box-shadow:4px 4px 4px 4px rgb(75, 145,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7461, 0.2826, 0.4140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 145, 104) }
```

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

```
.background{ background-color: rgb(75, 145,  
104) }
```

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