

Converting Colors

$Y_{xy}(22.7418, 0.3764, 0.4795)$

Have a look what the booklet for
Yxy(22.7418, 0.3764, 0.4795)
contains.

Yxy(22.8599, 0.3761, 0.4803)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.8599, 0.3761, 0.4803)

Conversions

Conversions Part 1

Format	Color
Hex	7A8B35
RGB	122, 139, 53
RGB Percent	48%, 55%, 21%
CMY	0.5216, 0.4549, 0.7922
CMYK	0.12, 0.00, 0.62, 0.45
HSL	72°, 45%, 38%
HSV	72°, 62%, 55%
XYZ	17.9005, 22.8599, 6.8346
YIQ	124.1130, 17.4740, -30.3500

Conversions

Conversions Part 2

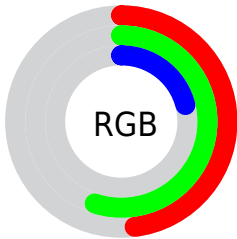
Format	Color
RYB	53, 139, 70
Decimal	8031029
CIELab	54.93, -19.12, 42.80
CIELCh	55, 46.881, 114.071
Yxy	22.8599, 0.3761, 0.4803
Android (android.graphics.Color)	4286221109 (0xFF7A8B35)
YUV	124.1130, -35.0587, -1.8531
Hunter-Lab	47.8120, -16.8419, 24.9930

Details

The Yxy color **22.8599, 0.3761, 0.4803** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **5.7106, 0.2155, 0.1455**, and the grayscale version is **20.3102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9087, 0.3660, 0.4472**, and **8.4468, 0.3846, 0.5328** is the 20% darker color. If you saturate the color by 10%, you get **22.5533, 0.3818, 0.4993**, and if you desaturate by 10%, it is **23.2114, 0.3684, 0.4582**.

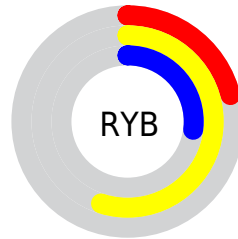
Distribution



Red (48%)

Green (55%)

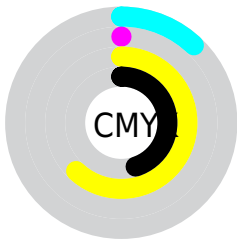
Blue (21%)



Red (21%)

Yellow (55%)

Blue (27%)

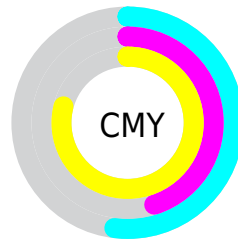


Cyan (12%)

Magenta (0%)

Yellow (62%)

Black (45%)



Cyan (52%)


Magenta (45%)

Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8599, 0.3761, 0.4803 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 22.8599, 0.3761, 0.4803 by changing the saturation by 10% instead.


 22.8599, 0.3761,
0.4803


 22.8599, 0.3761,
0.4803


267.0046, 0.3451,
0.3948


 14.4901, 0.3818,
0.5040


 48.1632, 0.3658,
0.4472

 8.4623, 0.3868,
0.5349


 65.8654, 0.3615,
0.4353


 4.3922, 0.4019,
0.5965

 87.4473, 0.3578,
0.4255


 1.8953, 0.3740,
0.6260

 113.2932, 0.3546,
0.4173

 0.5455, 0.0866,
0.9134

 143.7875, 0.3518,
0.4104

 0.0000, 0.0000,
0.0000

 179.3145, 0.3493,

0.4045

220.2588, 0.3471,
0.3993

■ 22.8599, 0.3761,
0.4803

■ 22.8599, 0.3761,
0.4803

■ 22.5533, 0.3818,
0.4993

■ 23.2114, 0.3684,
0.4582

■ 22.2850, 0.3851,
0.5145

■ 23.6076, 0.3590,
0.4339

■ 22.0523, 0.3859,
0.5253

■ 24.0522, 0.3486,
0.4084

■ 21.8801, 0.3855,
0.5321

■ 24.5477, 0.3374,
0.3827

■ 25.0964, 0.3261,
0.3575

■ 25.7003, 0.3148,
0.3334

■ 26.3614, 0.3039,
0.3107

■ 27.0818, 0.2935,
0.2896

■ 27.8630, 0.2838,
0.2702

Harmonies

Analogous

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



22.8599, 0.4420, 0.4436



22.8599, 0.3761, 0.4803



22.8599, 0.2976, 0.4661

Triad

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



22.8599, 0.3761, 0.4803



22.8599, 0.1719, 0.2400



22.8599, 0.3956, 0.2719

Complementary

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



22.8599, 0.3761, 0.4803



5.7106, 0.2155, 0.1455

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.



22.8599, 0.3103, 0.2298



22.8599, 0.3761, 0.4803



22.8599, 0.1897, 0.2094

Square

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



22.8599, 0.3761, 0.4803



22.8599, 0.1839, 0.3041



22.8599, 0.2366, 0.2075



22.8599, 0.4599, 0.3266

Rectangle

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



22.8599, 0.3761, 0.4803



22.8599, 0.2486, 0.4221



22.8599, 0.2366, 0.2075



22.8599, 0.3676, 0.2560

Sweetspot

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



22.8609, 0.3761, 0.4803



44.1909, 0.3346, 0.3764



9.9722, 0.4794, 0.3567



10.1271, 0.3375, 0.3829



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.



22.8609, 0.3761, 0.4803



40.1989, 0.3833, 0.5055



20.4389, 0.3280, 0.5077



5.7959, 0.3230, 0.3508



19.7533, 0.3857, 0.5320



0.1371, 0.4029, 0.5183

Inverse Universe

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



5.7106, 0.2155, 0.1455



6.8157, 0.1918, 0.1075



7.8381, 0.2754, 0.1715



4.9368, 0.3019, 0.3066



1.9049, 0.1615, 0.0663



0.0177, 0.1969, 0.0859

Previews

White Background



This preview shows how the Yxy color 22.8599, 0.3761, 0.4803 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 22.8599, 0.3761, 0.4803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

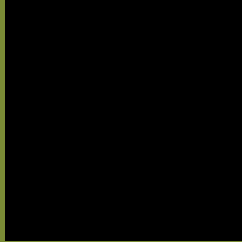
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8599, 0.3761, 0.4803

Background



This preview shows how black text looks on a background with the Yxy color 22.8599, 0.3761, 0.4803.



This preview shows how white text looks on a background with the Yxy color 22.8599, 0.3761, 0.4803.

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

22.8599, 0.3761, 0.4803

Protanopia

22.5826, 0.4150, 0.4557

Deuteranopia

22.7492, 0.4376, 0.4295



Tritanopia

22.7939, 0.3034, 0.3100

Trichromacy



Original Color

22.8599, 0.3761, 0.4803

Protanomaly

22.6165, 0.3999, 0.4647

Deuteranomaly

22.5467, 0.4145, 0.4469

Tritanomaly

22.4684, 0.3327, 0.3728

Monochromacy



Original Color

22.8599, 0.3761, 0.4803

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.7933, 0.3398, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8599, 0.3761, 0.4803 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(122, 139, 53)` looks like.

```
.text, #text, p{  
    color:rgb(122, 139, 53)  
}
```

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(122, 139, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 139, 53) }
```

Border

The CSS property to change the border of an element to Yxy 22.8599, 0.3761, 0.4803 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(122, 139, 53) }
```

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

```
.border{ border-color:rgb(122, 139, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 139, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 139, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 139, 53);  
box-shadow:4px 4px 4px 4px rgb(122, 139,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8599, 0.3761, 0.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 139, 53) }
```

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

```
.background{ background-color: rgb(122,  
139, 53) }
```

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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