

Converting Colors

$Y_{xy}(20.7746, 0.2925, 0.4922)$

Have a look what the booklet for
Yxy(20.7746, 0.2925, 0.4922)
contains.

Yxy(20.8440, 0.2923, 0.4916)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.8440, 0.2923, 0.4916)$

Conversions

Conversions Part 1

Format	Color
Hex	358F46
RGB	53, 143, 70
RGB Percent	21%, 56%, 27%
CMY	0.7924, 0.4392, 0.7255
CMYK	0.63, 0.00, 0.51, 0.44
HSL	131°, 46%, 38%
HSV	131°, 63%, 56%
XYZ	12.3936, 20.8440, 9.1627
YIQ	107.7680, -30.2070, -41.7830

Conversions

Conversions Part 2

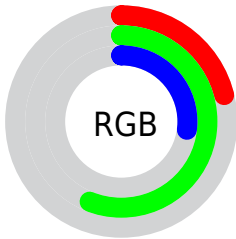
Format	Color
RYB	53, 129, 143
Decimal	3510086
CIELab	52.78, -42.91, 30.94
CIElCh	53, 52.903, 144.208
Yxy	20.8440, 0.2923, 0.4916
Android (android.graphics.Color)	4281700166 (0xFF358F46)
YUV	107.7680, -18.6196, -48.0315
Hunter-Lab	45.6552, -31.4409, 20.0595




Details

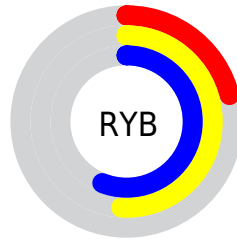
The Yxy color **20.8440, 0.2923, 0.4916** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.8867, 0.3480, 0.2103**, and the grayscale version is **14.9832, 0.3127, 0.3290**.




A 20% lighter version of the original color is **44.9954, 0.2996, 0.4510**, and **7.5440, 0.2885, 0.5588** is the 20% darker color. If you saturate the color by 10%, you get **20.3814, 0.2914, 0.5201**, and if you desaturate by 10%, it is **21.4523, 0.2942, 0.4620**.

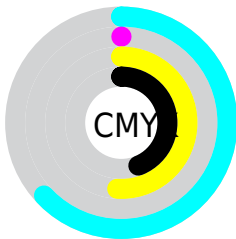
Distribution







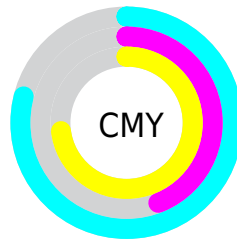
-  Red (21%)
-  Green (56%)
-  Blue (27%)






-  Red (21%)
-  Yellow (51%)
-  Blue (56%)



-  Cyan (63%)
-  Magenta (0%)
-  Yellow (51%)
-  Black (44%)





-  Cyan (79%)
-  Magenta (44%)
-  Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8440, 0.2923, 0.4916 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 20.8440, 0.2923, 0.4916 by changing the saturation by 10% instead.


 20.8440, 0.2923,
0.4916


 20.8440, 0.2923,
0.4916


256.4483, 0.3078,
0.3933


 13.0100, 0.2852,
0.5236


 44.8278, 0.2999,
0.4508

 7.4354, 0.2732,
0.5701


 61.7463, 0.3021,
0.4371


 3.7359, 0.2524,
0.6467

 82.4619, 0.3037,
0.4261

 1.5269, 0.1628,
0.8372

 107.3588, 0.3049,
0.4172

 0.3076, 0.0000,
1.0000

 136.8215, 0.3059,
0.4097

 0.0000, 0.0000,
0.0000

 171.2344, 0.3067,

0.4034

210.9819, 0.3073,
0.3980

■ 20.8440, 0.2923,
0.4916

■ 20.8440, 0.2923,
0.4916

■ 20.3814, 0.2914,
0.5201

■ 21.4523, 0.2942,
0.4620

■ 20.0495, 0.2917,
0.5457

■ 22.2144, 0.2970,
0.4327

■ 19.8348, 0.2931,
0.5669

■ 23.1411, 0.3003,
0.4047

■ 19.7269, 0.2942,
0.5790

■ 24.2413, 0.3040,
0.3789

■ 25.5234, 0.3078,
0.3555

■ 26.9950, 0.3116,
0.3347

■ 28.6636, 0.3153,
0.3164

■ 30.5361, 0.3189,
0.3003

■ 32.6191, 0.3223,
0.2864

Harmonies

Analogous

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



20.8440, 0.3814, 0.5041



20.8440, 0.2923, 0.4916



20.8440, 0.2135, 0.4037

Triad

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



20.8440, 0.2923, 0.4916



20.8440, 0.1738, 0.1931



20.8440, 0.4839, 0.3238

Complementary

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



20.8440, 0.2923, 0.4916



9.8867, 0.3480, 0.2103

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.



20.8440, 0.4090, 0.2635



20.8440, 0.2923, 0.4916



20.8440, 0.2256, 0.1921

Square

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



20.8440, 0.2923, 0.4916



20.8440, 0.1540, 0.2256



20.8440, 0.3094, 0.2170



20.8440, 0.4995, 0.3901

Rectangle

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



20.8440, 0.2923, 0.4916



20.8440, 0.1777, 0.3306



20.8440, 0.3094, 0.2170



20.8440, 0.4644, 0.3028

Sweetspot

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



20.8449, 0.2923, 0.4916



44.1901, 0.3053, 0.3703



24.3774, 0.3785, 0.4820



10.0030, 0.3043, 0.3765



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.



20.8449, 0.2923, 0.4916



36.1924, 0.2914, 0.5324



21.6288, 0.2588, 0.3899



6.0450, 0.3092, 0.3473



17.4426, 0.2940, 0.5783



0.1692, 0.2759, 0.5134

Inverse Universe

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



9.8867, 0.3480, 0.2103



14.8261, 0.3585, 0.1933



8.9824, 0.4414, 0.2811



5.4938, 0.3164, 0.3113



6.2797, 0.3739, 0.1833



0.0630, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 20.8440, 0.2923, 0.4916 looks on a white background.

Color Contrast Check

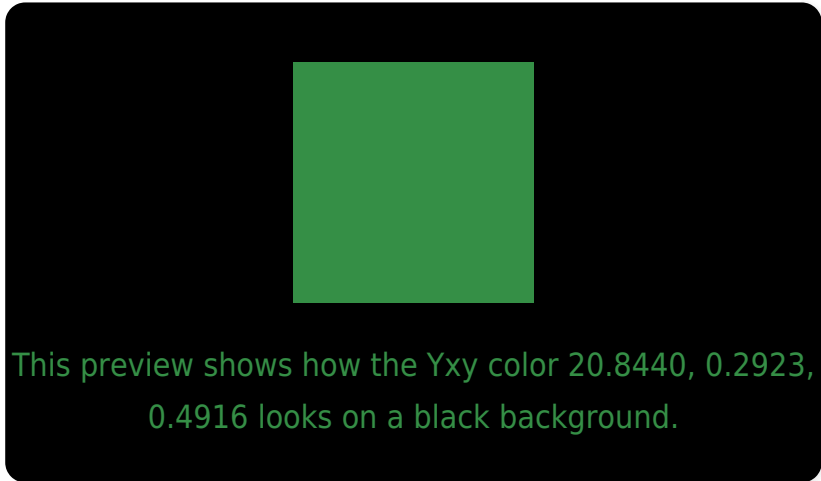
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

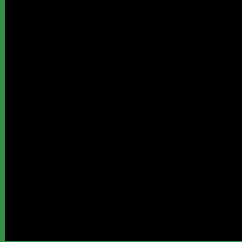
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8440, 0.2923, 0.4916

Background



This preview shows how black text looks on a background with the Yxy color 20.8440, 0.2923, 0.4916.



This preview shows how white text looks on a background with the Yxy color 20.8440, 0.2923, 0.4916.

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

20.8440, 0.2923, 0.4916

Protanopia

20.4407, 0.3988, 0.4350

Deuteranopia

20.6301, 0.4087, 0.4020



Tritanopia

20.8591, 0.2457, 0.3073

Trichromacy



Original Color

20.8440, 0.2923, 0.4916

Protanomaly

20.0217, 0.3514, 0.4599

Deuteranomaly

19.6458, 0.3573, 0.4344

Tritanomaly

20.6432, 0.2627, 0.3713

Monochromacy



Original Color

20.8440, 0.2923, 0.4916

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.5576, 0.3028, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8440, 0.2923, 0.4916 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(53, 143, 70)` looks like.

```
.text, #text, p{  
    color:rgb(53, 143, 70)  
}
```

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(53, 143, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 143, 70) }
```

Border

The CSS property to change the border of an element to Yxy 20.8440, 0.2923, 0.4916 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(53, 143, 70) }
```

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

```
.border{ border-color:rgb(53, 143, 70) }
```

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

Here you see how a box with a 4 pixel rgb(53, 143, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 143, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 143, 70);  
box-shadow:4px 4px 4px 4px rgb(53, 143,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8440, 0.2923, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 143, 70) }
```

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

```
.background{ background-color: rgb(53, 143,  
70) }
```

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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