

Converting Colors

$Y_{xy}(20.2822, 0.2793, 0.4445)$

Have a look what the booklet for
Yxy(20.2822, 0.2793, 0.4445)
contains.

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Color

$Yxy(20.2897, 0.2789, 0.4436)$

Conversions

Conversions Part 1

Format	Color
Hex	378C59
RGB	55, 140, 89
RGB Percent	22%, 55%, 35%
CMY	0.7843, 0.4510, 0.6510
CMYK	0.61, 0.00, 0.36, 0.45
HSL	144°, 44%, 38%
HSV	144°, 61%, 55%
XYZ	12.7565, 20.2897, 12.6925
YIQ	108.7710, -34.2890, -33.8810

Conversions

Conversions Part 2

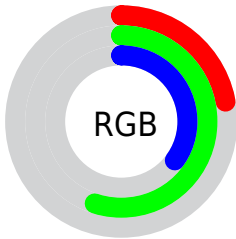
Format	Color
RYB	55, 116, 140
Decimal	3640409
CIELab	52.16, -37.81, 19.82
CIELCh	52, 42.691, 152.333
Yxy	20.2897, 0.2789, 0.4436
Android (android.graphics.Color)	4281830489 (0xFF378C59)
YUV	108.7710, -9.7471, -47.1572
Hunter-Lab	45.0441, -28.2758, 14.8242

Details

The Yxy color **20.2897, 0.2789, 0.4436** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.3495, 0.3810, 0.2410**, and the grayscale version is **15.2604, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7626, 0.2882, 0.4151**, and **7.3192, 0.2706, 0.4941** is the 20% darker color. If you saturate the color by 10%, you get **19.8165, 0.2769, 0.4664**, and if you desaturate by 10%, it is **20.8929, 0.2824, 0.4212**.

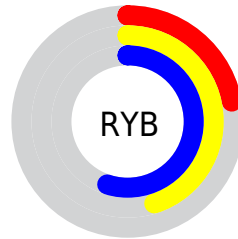
Distribution



Red (22%)

Green (55%)

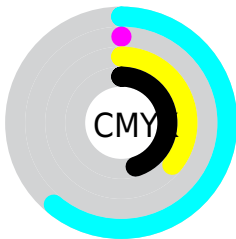
Blue (35%)



Red (22%)

Yellow (45%)

Blue (55%)

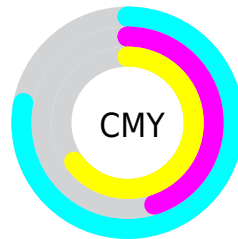


Cyan (61%)

Magenta (0%)

Yellow (36%)

Black (45%)



Cyan (78%)


Magenta (45%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2897, 0.2789, 0.4436 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 20.2897, 0.2789, 0.4436 by changing the saturation by 10% instead.


 20.2897, 0.2789,
0.4436


 20.2897, 0.2789,
0.4436


253.4791, 0.3001,
0.3747


 12.6058, 0.2714,
0.4663


 43.9024, 0.2880,
0.4149

 7.1577, 0.2599,
0.4999


 60.5999, 0.2909,
0.4053


 3.5609, 0.2405,
0.5538

 81.0708, 0.2933,
0.3977

 1.4311, 0.1910,
0.7660

 105.6994, 0.2952,
0.3914

 0.2395, 0.0000,
1.0000

 134.8702, 0.2967,
0.3862

 0.0000, 0.0000,
0.0000

 168.9674, 0.2980,

0.3817

208.3756, 0.2991,
0.3779

■ 20.2897, 0.2789,
0.4436

■ 20.2897, 0.2789,
0.4436

■ 19.8165, 0.2769,
0.4664

■ 20.8929, 0.2824,
0.4212

■ 19.4604, 0.2765,
0.4889

■ 21.6327, 0.2872,
0.3998

■ 19.2104, 0.2779,
0.5103

■ 22.5182, 0.2928,
0.3798

■ 19.0424, 0.2802,
0.5287

■ 23.5570, 0.2990,
0.3615

■ 24.7563, 0.3055,
0.3449

■ 26.1225, 0.3122,
0.3300

■ 27.6621, 0.3189,
0.3168

■ 29.3807, 0.3255,
0.3052

■ 31.2842, 0.3318,
0.2949

Harmonies

Analogous

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



20.2897, 0.3537, 0.4744



20.2897, 0.2789, 0.4436



20.2897, 0.2173, 0.3661

Triad

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



20.2897, 0.2789, 0.4436



20.2897, 0.2048, 0.2117



20.2897, 0.4615, 0.3431

Complementary

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



20.2897, 0.2789, 0.4436



9.3495, 0.3810, 0.2410

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.



20.2897, 0.4115, 0.2883



20.2897, 0.2789, 0.4436



20.2897, 0.2575, 0.2164

Square

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



20.2897, 0.2789, 0.4436



20.2897, 0.1799, 0.2334



20.2897, 0.3330, 0.2436



20.2897, 0.4632, 0.4007

Rectangle

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



20.2897, 0.2789, 0.4436



20.2897, 0.1914, 0.3104



20.2897, 0.3330, 0.2436



20.2897, 0.4498, 0.3242

Sweetspot

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



20.2905, 0.2789, 0.4436



41.9976, 0.3005, 0.3574



22.1849, 0.3563, 0.4885



9.5567, 0.2988, 0.3620



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.



20.2905, 0.2789, 0.4436



34.6721, 0.2765, 0.4751



21.1835, 0.2473, 0.3494



5.6392, 0.3066, 0.3424



16.9229, 0.2799, 0.5278



0.1152, 0.2569, 0.4447

Inverse Universe

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



9.3495, 0.3810, 0.2410



13.5806, 0.4046, 0.2283



8.6892, 0.4725, 0.3126



5.0957, 0.3194, 0.3160



5.5271, 0.4496, 0.2250



0.0396, 0.3811, 0.1873

Previews

White Background



This preview shows how the Yxy color 20.2897, 0.2789, 0.4436 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 20.2897, 0.2789, 0.4436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

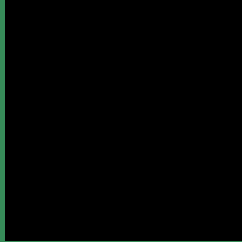
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2897, 0.2789, 0.4436

Background



This preview shows how black text looks on a background with the Yxy color 20.2897, 0.2789, 0.4436.



This preview shows how white text looks on a background with the Yxy color 20.2897, 0.2789, 0.4436.

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

20.2897, 0.2789, 0.4436

Protanopia

20.0928, 0.3747, 0.4056

Deuteranopia

20.0215, 0.3779, 0.3728



Tritanopia

20.1664, 0.2450, 0.3070

Trichromacy



Original Color

20.2897, 0.2789, 0.4436

Protanomaly

19.6244, 0.3312, 0.4208

Deuteranomaly

19.3962, 0.3333, 0.3990

Tritanomaly

20.2218, 0.2572, 0.3541

Monochromacy



Original Color

20.2897, 0.2789, 0.4436

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.5161, 0.2953, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2897, 0.2789, 0.4436 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(55, 140, 89)` looks like.

```
.text, #text, p{  
  color:rgb(55, 140, 89)  
}
```

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(55, 140, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 140, 89) }
```

Border

The CSS property to change the border of an element to Yxy 20.2897, 0.2789, 0.4436 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(55, 140, 89) }
```

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

```
.border{ border-color:rgb(55, 140, 89) }
```

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

Here you see how a box with a 4 pixel rgb(55, 140, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 140, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 140, 89);  
box-shadow:4px 4px 4px 4px rgb(55, 140,  
89) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2897, 0.2789, 0.4436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 140, 89) }
```

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

```
.background{ background-color: rgb(55, 140,  
89) }
```

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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