

Converting Colors

$Y_{xy}(19.7826, 0.2635, 0.4216)$

Have a look what the booklet for
Yxy(19.7826, 0.2635, 0.4216)
contains.

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Color

Yxy(19.8393, 0.2639, 0.4224)

Conversions

Conversions Part 1

Format	Color
Hex	2A8B62
RGB	42, 139, 98
RGB Percent	16%, 55%, 38%
CMY	0.8350, 0.4549, 0.6156
CMYK	0.70, 0.00, 0.29, 0.45
HSL	155°, 54%, 36%
HSV	155°, 70%, 55%
XYZ	12.3949, 19.8393, 14.7339
YIQ	105.3230, -44.6510, -33.3150

Conversions

Conversions Part 2

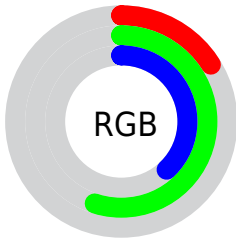
Format	Color
R_{YB}	42, 103, 139
Decimal	2788194
CIE _{Lab}	51.66, -38.06, 13.97
CIE _{LCh}	52, 40.544, 159.849
Yxy	19.8393, 0.2639, 0.4224
Android (android.graphics.Color)	4280978274 (0xFF2A8B62)
YUV	105.3230, -3.6102, -55.5343
Hunter-Lab	44.5413, -28.2747, 11.5663

Details

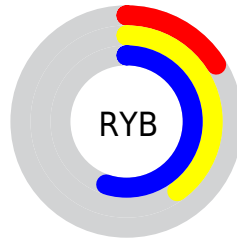
The Yxy color **19.8393, 0.2639, 0.4224** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **7.7760, 0.4372, 0.2607**, and the grayscale version is **14.2444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0192, 0.2756, 0.3986**, and **7.2185, 0.2617, 0.4623** is the 20% darker color. If you saturate the color by 10%, you get **19.4886, 0.2622, 0.4385**, and if you desaturate by 10%, it is **20.3015, 0.2674, 0.4065**.

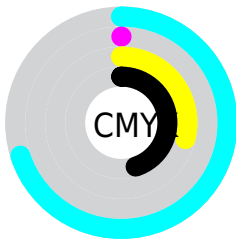
Distribution



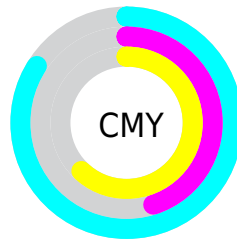
- Red (16%)
- Green (55%)
- Blue (38%)



- Red (16%)
- Yellow (40%)
- Blue (55%)



- Cyan (70%)
- Magenta (0%)
- Yellow (29%)
- Black (45%)





- Cyan (84%)
- Magenta (45%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8393, 0.2639, 0.4224 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 19.8393, 0.2639, 0.4224 by changing the saturation by 10% instead.


 19.8393, 0.2639,
0.4224


 19.8393, 0.2639,
0.4224


251.0438, 0.2930,
0.3664


 12.2783, 0.2544,
0.4408


 43.1476, 0.2759,
0.3992


 6.9335, 0.2406,
0.4680


 59.6637, 0.2799,
0.3914

 3.4205, 0.2183,
0.5121

 79.9335, 0.2832,
0.3852

 1.3550, 0.1428,
0.6513

 104.3416, 0.2859,
0.3801

 0.1832, 0.0000,
1.0000

 133.2723, 0.2881,
0.3758

 0.0000, 0.0000,
0.0000

 167.1099, 0.2900,

0.3722

206.2390, 0.2916,
0.3691

■ 19.8393, 0.2639,
0.4224

■ 19.8393, 0.2639,
0.4224

■ 19.4886, 0.2622,
0.4385

■ 20.3015, 0.2674,
0.4065

■ 19.2357, 0.2624,
0.4544

■ 20.8825, 0.2726,
0.3912

■ 19.0513, 0.2640,
0.4701

■ 21.5915, 0.2791,
0.3766

■ 19.0464, 0.2640,
0.4705

■ 22.4364, 0.2867,
0.3630

■ 23.4241, 0.2950,
0.3504

■ 24.5614, 0.3038,
0.3390

■ 25.8545, 0.3130,
0.3287

■ 27.3090, 0.3222,
0.3195

■ 28.9306, 0.3313,
0.3114

Harmonies

Analogous

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



19.8393, 0.3345, 0.4657



19.8393, 0.2639, 0.4224



19.8393, 0.2103, 0.3441

Triad

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



19.8393, 0.2639, 0.4224



19.8393, 0.2191, 0.2149



19.8393, 0.4602, 0.3572

Complementary

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



19.8393, 0.2639, 0.4224



7.7760, 0.4372, 0.2607

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.



19.8393, 0.4230, 0.3028



19.8393, 0.2639, 0.4224



19.8393, 0.2764, 0.2251

Square

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



19.8393, 0.2639, 0.4224



19.8393, 0.1881, 0.2293



19.8393, 0.3520, 0.2563



19.8393, 0.4507, 0.4121

Rectangle

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



19.8393, 0.2639, 0.4224



19.8393, 0.1899, 0.2938



19.8393, 0.3520, 0.2563



19.8393, 0.4529, 0.3386

Sweetspot

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



19.8401, 0.2639, 0.4224



41.6259, 0.2935, 0.3525



20.5202, 0.3389, 0.5222



9.4901, 0.2915, 0.3555



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.



19.8401, 0.2639, 0.4224



34.6070, 0.2621, 0.4483



19.0060, 0.2312, 0.3152



5.6534, 0.3044, 0.3384



17.1949, 0.2639, 0.4699



0.1172, 0.2448, 0.4012

Inverse Universe

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



7.7760, 0.4372, 0.2607



11.5023, 0.4830, 0.2584



7.8150, 0.5274, 0.3394



5.0814, 0.3219, 0.3198



5.2403, 0.5219, 0.2649



0.0376, 0.4238, 0.2108

Previews

White Background



This preview shows how the Yxy color 19.8393, 0.2639, 0.4224 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 19.8393, 0.2639, 0.4224 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 19.8393, 0.2639, 0.4224

Background



This preview shows how black text looks on a background with the Yxy color 19.8393, 0.2639, 0.4224.



This preview shows how white text looks on a background with the Yxy color 19.8393, 0.2639, 0.4224.

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

19.8393, 0.2639, 0.4224

Protanopia

19.4825, 0.3624, 0.3887

Deuteranopia

19.5989, 0.3615, 0.3559



Tritanopia

19.7808, 0.2378, 0.3066

Trichromacy



Original Color

19.8393, 0.2639, 0.4224

Protanomaly

18.8813, 0.3162, 0.4022

Deuteranomaly

18.8646, 0.3150, 0.3801

Tritanomaly

19.6445, 0.2468, 0.3459

Monochromacy



Original Color

19.8393, 0.2639, 0.4224

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

15.4757, 0.2871, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8393, 0.2639, 0.4224 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(42, 139, 98)` looks like.

```
.text, #text, p{  
    color:rgb(42, 139, 98)  
}
```

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(42, 139, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 139, 98) }
```

Border

The CSS property to change the border of an element to Yxy 19.8393, 0.2639, 0.4224 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(42, 139, 98) }
```

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

```
.border{ border-color:rgb(42, 139, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 139, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 139, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 139, 98);  
box-shadow:4px 4px 4px 4px rgb(42, 139,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8393, 0.2639, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 139, 98) }
```

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

```
.background{ background-color: rgb(42, 139,  
98) }
```

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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