

Converting Colors

$Yxy(20.4142, 0.2472, 0.3656)$

Have a look what the booklet for
Yxy(20.4142, 0.2472, 0.3656)
contains.

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Color

$Y_{xy}(20.4059, 0.2470, 0.3656)$

Conversions

Conversions Part 1

Format	Color
Hex	2C8B7A
RGB	44, 139, 122
RGB Percent	17%, 55%, 48%
CMY	0.8271, 0.4549, 0.5216
CMYK	0.68, 0.00, 0.12, 0.45
HSL	169°, 52%, 36%
HSV	169°, 68%, 55%
XYZ	13.7863, 20.4059, 21.6227
YIQ	108.6570, -51.1630, -25.4270

Conversions

Conversions Part 2

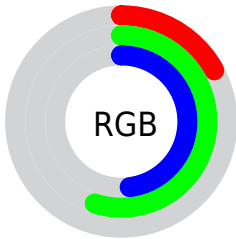
Format	Color
RYB	44, 96, 139
Decimal	2919290
CIELab	52.29, -31.66, 1.06
CIElCh	52, 31.677, 178.078
Yxy	20.4059, 0.2470, 0.3656
Android (android.graphics.Color)	4281109370 (0xFF2C8B7A)
YUV	108.6570, 6.5781, -56.7042
Hunter-Lab	45.1729, -24.5764, 3.2410

Details

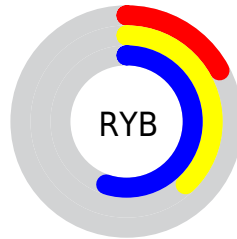
The Yxy color **20.4059, 0.2470, 0.3656** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.6336, 0.4904, 0.3020**, and the grayscale version is **15.1888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.0795, 0.2621, 0.3577**, and **7.4605, 0.2388, 0.3797** is the 20% darker color. If you saturate the color by 10%, you get **20.0873, 0.2431, 0.3719**, and if you desaturate by 10%, it is **20.8309, 0.2527, 0.3594**.

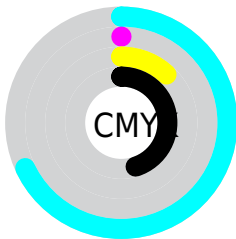
Distribution



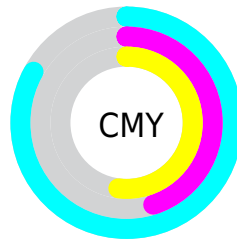
- Red (17%)
- Green (55%)
- Blue (48%)



- Red (17%)
- Yellow (38%)
- Blue (55%)



- Cyan (68%)
- Magenta (0%)
- Yellow (12%)
- Black (45%)





- Cyan (83%)
- Magenta (45%)
- Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4059, 0.2470, 0.3656 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 20.4059, 0.2470, 0.3656 by changing the saturation by 10% instead.


 20.4059, 0.2470,
0.3656


 20.4059, 0.2470,
0.3656


 254.1041, 0.2842,
0.3448


 12.6904, 0.2360,
0.3719


 44.0967, 0.2617,
0.3573

 7.2157, 0.2206,
0.3806


 60.8408, 0.2669,
0.3544


 3.5974, 0.1976,
0.3939

 81.3632, 0.2711,
0.3521

 1.4510, 0.1509,
0.4205

 106.0483, 0.2746,
0.3501

 0.2539, 0.0000,
0.5567

 135.2806, 0.2775,
0.3485

 0.0000, 0.0000,
0.0000

 169.4444, 0.2801,

0.3471

208.9241, 0.2823,
0.3458

■ 20.4059, 0.2470,
0.3656

■ 20.4059, 0.2470,
0.3656

■ 20.0873, 0.2431,
0.3719

■ 20.8309, 0.2527,
0.3594

■ 19.8618, 0.2411,
0.3781

■ 21.3691, 0.2601,
0.3534

■ 19.7068, 0.2405,
0.3844

■ 22.0297, 0.2690,
0.3477

■ 19.6817, 0.2404,
0.3855

■ 22.8201, 0.2792,
0.3423

■ 23.7472, 0.2904,
0.3372

■ 24.8174, 0.3024,
0.3326

■ 26.0366, 0.3149,
0.3283

■ 27.4107, 0.3276,
0.3245

■ 28.9448, 0.3405,
0.3210

Harmonies

Analogous

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



20.4059, 0.2971, 0.4166



20.4059, 0.2470, 0.3656



20.4059, 0.2160, 0.3066

Triad

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



20.4059, 0.2470, 0.3656



20.4059, 0.2647, 0.2401



20.4059, 0.4279, 0.3813

Complementary

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



20.4059, 0.2470, 0.3656



7.6336, 0.4904, 0.3020

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.



20.4059, 0.4197, 0.3364



20.4059, 0.2470, 0.3656



20.4059, 0.3202, 0.2592

Square

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



20.4059, 0.2470, 0.3656



20.4059, 0.2258, 0.2401



20.4059, 0.3787, 0.2933



20.4059, 0.4026, 0.4191

Rectangle

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



20.4059, 0.2470, 0.3656



20.4059, 0.2086, 0.2746



20.4059, 0.3787, 0.2933



20.4059, 0.4291, 0.3666

Sweetspot

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



20.4067, 0.2470, 0.3656



42.1513, 0.2879, 0.3383



19.6543, 0.3158, 0.5331



9.6153, 0.2851, 0.3395



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.



20.4067, 0.2470, 0.3656



35.7331, 0.2418, 0.3753



13.3255, 0.2193, 0.2618



5.6735, 0.3013, 0.3329



17.7666, 0.2403, 0.3852



0.1199, 0.2320, 0.3553

Inverse Universe

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



7.6336, 0.4904, 0.3020



11.2125, 0.5533, 0.3042



10.5868, 0.4866, 0.3799



5.0623, 0.3254, 0.3251



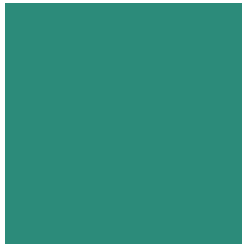
5.0190, 0.6071, 0.3118



0.0349, 0.5172, 0.2623

Previews

White Background



This preview shows how the Yxy color 20.4059, 0.2470, 0.3656 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 20.4059, 0.2470, 0.3656 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 20.4059, 0.2470, 0.3656

Background



This preview shows how black text looks on a background with the Yxy color 20.4059, 0.2470, 0.3656.

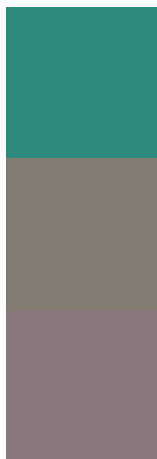


This preview shows how white text looks on a background with the Yxy color 20.4059, 0.2470, 0.3656.

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

20.4059, 0.2470, 0.3656

Protanopia

20.2973, 0.3304, 0.3475

Deuteranopia

20.0902, 0.3245, 0.3184



Tritanopia

20.2440, 0.2345, 0.3067

Trichromacy



Original Color

20.4059, 0.2470, 0.3656

Protanomaly

19.5815, 0.2904, 0.3532

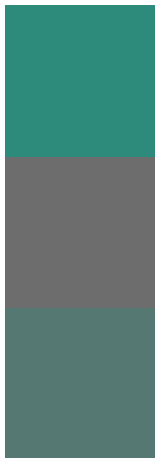
Deuteranomaly

19.4842, 0.2865, 0.3329

Tritanomaly

20.1445, 0.2390, 0.3267

Monochromacy



Original Color

20.4059, 0.2470, 0.3656

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.5791, 0.2784, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4059, 0.2470, 0.3656 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(44, 139, 122)` looks like.

```
.text, #text, p{  
    color:rgb(44, 139, 122)  
}
```

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(44, 139, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 139, 122) }
```

Border

The CSS property to change the border of an element to Yxy 20.4059, 0.2470, 0.3656 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(44, 139, 122) }
```

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

```
.border{ border-color:rgb(44, 139, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 139, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 139, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 139, 122);  
box-shadow:4px 4px 4px 4px rgb(44, 139,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4059, 0.2470, 0.3656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 139, 122) }
```

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

```
.background{ background-color: rgb(44, 139,  
122) }
```

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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