

Converting Colors

$Yxy(19.2040, 0.2491, 0.3691)$

Have a look what the booklet for
Yxy(19.2040, 0.2491, 0.3691)
contains.

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Color

$Y_{xy}(19.1702, 0.2493, 0.3688)$

Conversions

Conversions Part 1

Format	Color
Hex	2D8775
RGB	45, 135, 117
RGB Percent	18%, 53%, 46%
CMY	0.8234, 0.4706, 0.5411
CMYK	0.67, 0.00, 0.13, 0.47
HSL	168°, 50%, 35%
HSV	168°, 67%, 53%
XYZ	12.9586, 19.1702, 19.8511
YIQ	106.0380, -47.8620, -24.6780

Conversions

Conversions Part 2

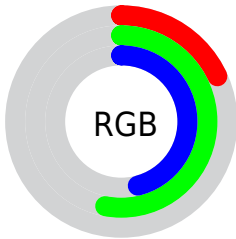
Format	Color
RYB	45, 95, 135
Decimal	2983797
CIELab	50.89, -30.96, 1.91
CIELCh	51, 31.018, 176.463
Yxy	19.1702, 0.2493, 0.3688
Android (android.graphics.Color)	4281173877 (0xFF2D8775)
YUV	106.0380, 5.4043, -53.5303
Hunter-Lab	43.7838, -23.7913, 3.7671

Details

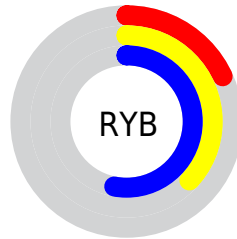
The Yxy color **19.1702, 0.2493, 0.3688** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **7.3890, 0.4784, 0.2988**, and the grayscale version is **14.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0845, 0.2637, 0.3598**, and **6.7703, 0.2394, 0.3819** is the 20% darker color. If you saturate the color by 10%, you get **18.8494, 0.2453, 0.3758**, and if you desaturate by 10%, it is **19.5923, 0.2551, 0.3619**.

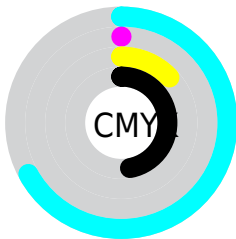
Distribution



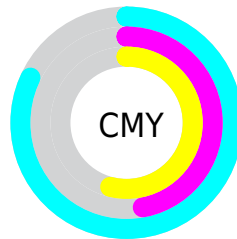
- Red (18%)
- Green (53%)
- Blue (46%)



- Red (18%)
- Yellow (37%)
- Blue (53%)



- Cyan (67%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)



- Cyan (82%)
- Magenta (47%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1702, 0.2493, 0.3688 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 19.1702, 0.2493, 0.3688 by changing the saturation by 10% instead.

■ 19.1702, 0.2493,
0.3688

■ 19.1702, 0.2493,
0.3688

■ 247.3868, 0.2856,
0.3458

■ 11.7933, 0.2383,
0.3759

■ 42.0215, 0.2638,
0.3595

■ 6.6031, 0.2228,
0.3860

■ 58.2647, 0.2688,
0.3564

■ 3.2152, 0.1993,
0.4016

■ 78.2322, 0.2729,
0.3538

■ 1.2451, 0.1377,
0.4401

■ 102.3082, 0.2763,
0.3516

■ 0.0981, 0.0000,
1.0000

■ 130.8773, 0.2792,
0.3498

■ 0.0000, 0.0000,
0.0000

■ 164.3239, 0.2816,

0.3483

203.0322, 0.2837,
0.3470

■ 19.1702, 0.2493,
0.3688

■ 19.1702, 0.2493,
0.3688

■ 18.8494, 0.2453,
0.3758

■ 19.5923, 0.2551,
0.3619

■ 18.6179, 0.2430,
0.3829

■ 20.1219, 0.2626,
0.3552

■ 18.4593, 0.2424,
0.3899

■ 20.7674, 0.2716,
0.3489

■ 18.4106, 0.2423,
0.3923

■ 21.5355, 0.2817,
0.3429

■ 22.4327, 0.2928,
0.3373

■ 23.4647, 0.3046,
0.3321

■ 24.6372, 0.3169,
0.3275

■ 25.9554, 0.3293,
0.3233

■ 27.4241, 0.3418,
0.3196

Harmonies

Analogous

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



19.1702, 0.3001, 0.4186



19.1702, 0.2493, 0.3688



19.1702, 0.2171, 0.3095

Triad

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



19.1702, 0.2493, 0.3688



19.1702, 0.2621, 0.2396



19.1702, 0.4283, 0.3790

Complementary

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



19.1702, 0.2493, 0.3688



7.3890, 0.4784, 0.2988

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.



19.1702, 0.4182, 0.3339



19.1702, 0.2493, 0.3688



19.1702, 0.3170, 0.2577

Square

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



19.1702, 0.2493, 0.3688



19.1702, 0.2243, 0.2407



19.1702, 0.3758, 0.2911



19.1702, 0.4047, 0.4174

Rectangle

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



19.1702, 0.2493, 0.3688



19.1702, 0.2088, 0.2768



19.1702, 0.3758, 0.2911



19.1702, 0.4289, 0.3642

Sweetspot

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



19.1709, 0.2493, 0.3688



39.5342, 0.2885, 0.3393



18.5749, 0.3175, 0.5270



9.0647, 0.2858, 0.3407



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



19.1709, 0.2493, 0.3688



33.5239, 0.2439, 0.3795



13.0348, 0.2221, 0.2675



5.2634, 0.3017, 0.3334



16.9791, 0.2423, 0.3921



0.0598, 0.2330, 0.3587

Inverse Universe

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



7.3890, 0.4784, 0.2988



10.8001, 0.5388, 0.2998



9.9780, 0.4824, 0.3765



4.7028, 0.3250, 0.3247



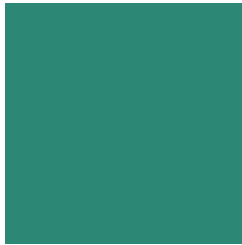
4.8243, 0.6011, 0.3085



0.0176, 0.5069, 0.2566

Previews

White Background



This preview shows how the Yxy color 19.1702, 0.2493, 0.3688 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 19.1702, 0.2493, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

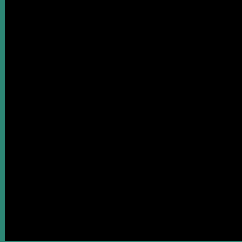
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.1702, 0.2493, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 19.1702, 0.2493, 0.3688.

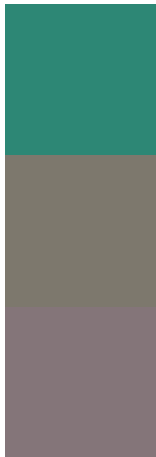


This preview shows how white text looks on a background with the Yxy color 19.1702, 0.2493, 0.3688.

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

19.1702, 0.2493, 0.3688

Protanopia

18.8970, 0.3321, 0.3499

Deuteranopia

19.0086, 0.3272, 0.3218



Tritanopia

19.0263, 0.2354, 0.3061

Trichromacy



Original Color

19.1702, 0.2493, 0.3688

Protanomaly

18.3239, 0.2930, 0.3560

Deuteranomaly

18.4807, 0.2891, 0.3370

Tritanomaly

18.9260, 0.2399, 0.3267

Monochromacy



Original Color

19.1702, 0.2493, 0.3688

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

15.7332, 0.2809, 0.3444

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1702, 0.2493, 0.3688 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(45, 135, 117)` looks like.

```
.text, #text, p{  
    color:rgb(45, 135, 117)  
}
```

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(45, 135, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 135, 117) }
```

Border

The CSS property to change the border of an element to Yxy 19.1702, 0.2493, 0.3688 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(45, 135, 117) }
```

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

```
.border{ border-color:rgb(45, 135, 117) }
```

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

Here you see how a box with a 4 pixel rgb(45, 135, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 135, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 135, 117);  
box-shadow:4px 4px 4px 4px rgb(45, 135,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1702, 0.2493, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 135, 117) }
```

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

```
.background{ background-color: rgb(45, 135,  
117) }
```

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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