

Converting Colors

$Y_{xy}(19.3370, 0.2785, 0.4032)$

Have a look what the booklet for
Yxy(19.3370, 0.2785, 0.4032)
contains.

Yxy(19.2550, 0.2782, 0.4019)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(19.2550, 0.2782, 0.4019)$

Conversions

Conversions Part 1

Format	Color
Hex	458665
RGB	69, 134, 101
RGB Percent	27%, 53%, 40%
CMY	0.7294, 0.4745, 0.6039
CMYK	0.49, 0.00, 0.25, 0.47
HSL	150°, 32%, 40%
HSV	150°, 49%, 53%
XYZ	13.3285, 19.2550, 15.3264
YIQ	110.8030, -28.1470, -24.0430

Conversions

Conversions Part 2

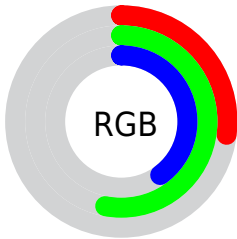
Format	Color
RYB	69, 113, 134
Decimal	4556389
CIELab	50.98, -28.96, 11.45
CIElCh	51, 31.140, 158.422
Yxy	19.2550, 0.2782, 0.4019
Android (android.graphics.Color)	4282746469 (0xFF458665)
YUV	110.8030, -4.8329, -36.6612
Hunter-Lab	43.8805, -22.5722, 10.0078

Details

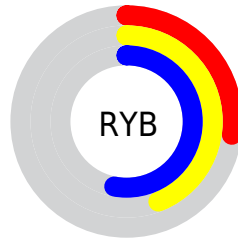
The Yxy color **19.2550, 0.2782, 0.4019** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.2847, 0.3735, 0.2675**, and the grayscale version is **15.8573, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2984, 0.2866, 0.3844**, and **6.6852, 0.2616, 0.4386** is the 20% darker color. If you saturate the color by 10%, you get **18.6919, 0.2736, 0.4204**, and if you desaturate by 10%, it is **19.9414, 0.2840, 0.3843**.

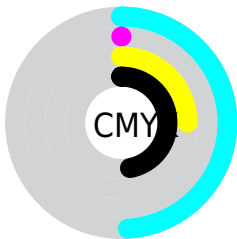
Distribution



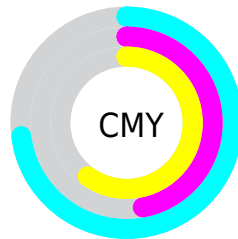
- Red (27%)
- Green (53%)
- Blue (40%)



- Red (27%)
- Yellow (44%)
- Blue (53%)



- Cyan (49%)
- Magenta (0%)
- Yellow (25%)
- Black (47%)




- Cyan (73%)
- Magenta (47%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2550, 0.2782, 0.4019 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 19.2550, 0.2782, 0.4019 by changing the saturation by 10% instead.


 19.2550, 0.2782,
0.4019


 19.2550, 0.2782,
0.4019


247.8529, 0.2988,
0.3584


 11.8547, 0.2715,
0.4161


 42.1645, 0.2867,
0.3839

 6.6448, 0.2615,
0.4372


 58.4426, 0.2896,
0.3779


 3.2410, 0.2455,
0.4712

 78.4486, 0.2919,
0.3730

 1.2588, 0.2012,
0.5642

 102.5671, 0.2937,
0.3691

 0.1090, 0.0000,
1.0000

 131.1823, 0.2953,
0.3657

 0.0000, 0.0000,
0.0000

164.6788, 0.2966,

0.3629

203.4408, 0.2978,
0.3605

■ 19.2550, 0.2782,
0.4019

■ 19.2550, 0.2782,
0.4019

■ 18.6919, 0.2736,
0.4204

■ 19.9414, 0.2840,
0.3843

■ 18.2419, 0.2705,
0.4396

■ 20.7558, 0.2908,
0.3680

■ 17.8971, 0.2691,
0.4589

■ 21.7056, 0.2982,
0.3530


■ 17.6473, 0.2697,
0.4779


■ 22.7969, 0.3060,
0.3394


■ 17.4688, 0.2716,
0.4962

■ 24.0353, 0.3139,
0.3273

 17.4437, 0.2719,
0.4989

 25.4263, 0.3219,
0.3164

 26.9749, 0.3297,
0.3068

 28.6860, 0.3373,
0.2984

 30.5642, 0.3446,
0.2909

Harmonies

Analogous

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



19.2550, 0.3347, 0.4336



19.2550, 0.2782, 0.4019



19.2550, 0.2336, 0.3448

Triad

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



19.2550, 0.2782, 0.4019



19.2550, 0.2367, 0.2376



19.2550, 0.4268, 0.3521

Complementary

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



19.2550, 0.2782, 0.4019



10.2847, 0.3735, 0.2675

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.



19.2550, 0.3960, 0.3074



19.2550, 0.2782, 0.4019



19.2550, 0.2823, 0.2445

Square

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



19.2550, 0.2782, 0.4019



19.2550, 0.2119, 0.2518



19.2550, 0.3411, 0.2694



19.2550, 0.4228, 0.3959

Rectangle

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



19.2550, 0.2782, 0.4019



19.2550, 0.2156, 0.3059



19.2550, 0.3411, 0.2694



19.2550, 0.4202, 0.3369

Sweetspot

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



19.2558, 0.2782, 0.4019



38.8248, 0.3006, 0.3486



20.3397, 0.3423, 0.4597



8.6723, 0.2992, 0.3511



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.2558, 0.2782, 0.4019



32.8641, 0.2733, 0.4219



20.0074, 0.2516, 0.3310



5.2401, 0.3055, 0.3402



16.3490, 0.2718, 0.4984



0.0581, 0.2502, 0.4207

Inverse Universe

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



10.2847, 0.3735, 0.2675



15.1248, 0.3942, 0.2556



9.7686, 0.4379, 0.3273



4.7252, 0.3206, 0.3180



5.1434, 0.4867, 0.2455



0.0193, 0.4016, 0.1986

Previews

White Background



This preview shows how the Yxy color 19.2550, 0.2782, 0.4019 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 19.2550, 0.2782, 0.4019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

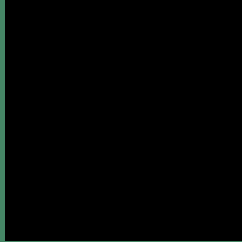
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2550, 0.2782, 0.4019

Background



This preview shows how black text looks on a background with the Yxy color 19.2550, 0.2782, 0.4019.



This preview shows how white text looks on a background with the Yxy color 19.2550, 0.2782, 0.4019.

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

19.2550, 0.2782, 0.4019

Protanopia

19.1681, 0.3541, 0.3780

Deuteranopia

18.9140, 0.3557, 0.3490



Tritanopia

19.2269, 0.2527, 0.3088

Trichromacy



Original Color

19.2550, 0.2782, 0.4019

Protanomaly

18.9106, 0.3218, 0.3881

Deuteranomaly

18.6761, 0.3220, 0.3669

Tritanomaly

19.2091, 0.2616, 0.3414

Monochromacy



Original Color

19.2550, 0.2782, 0.4019

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

16.7420, 0.2981, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2550, 0.2782, 0.4019 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(69, 134, 101)` looks like.

```
.text, #text, p{  
    color:rgb(69, 134, 101)  
}
```

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(69, 134, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 134, 101) }
```

Border

The CSS property to change the border of an element to Yxy 19.2550, 0.2782, 0.4019 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(69, 134, 101) }
```

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

```
.border{ border-color:rgb(69, 134, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 134, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 134, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 134, 101);  
box-shadow:4px 4px 4px 4px rgb(69, 134,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2550, 0.2782, 0.4019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 134, 101) }
```

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

```
.background{ background-color: rgb(69, 134,  
101) }
```

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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