

Converting Colors

$Yxy(19.6447, 0.2773, 0.4023)$

Have a look what the booklet for
Yxy(19.6447, 0.2773, 0.4023)
contains.

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Color

Yxy(19.5525, 0.2775, 0.4015)

Conversions

Conversions Part 1

Format	Color
Hex	458766
RGB	69, 135, 102
RGB Percent	27%, 53%, 40%
CMY	0.7296, 0.4706, 0.6000
CMYK	0.49, 0.00, 0.24, 0.47
HSL	150°, 32%, 40%
HSV	150°, 49%, 53%
XYZ	13.5139, 19.5525, 15.6323
YIQ	111.5040, -28.7430, -24.2550

Conversions

Conversions Part 2

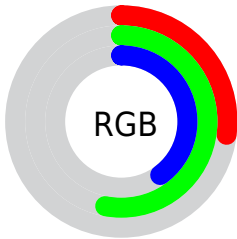
Format	Color
RYB	69, 113, 135
Decimal	4556646
CIELab	51.33, -29.24, 11.36
CIElCh	51, 31.367, 158.773
Yxy	19.5525, 0.2775, 0.4015
Android (android.graphics.Color)	4282746726 (0xFF458766)
YUV	111.5040, -4.6855, -37.2760
Hunter-Lab	44.2182, -22.8291, 9.9922

Details

The Yxy color **19.5525, 0.2775, 0.4015** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.3604, 0.3754, 0.2679**, and the grayscale version is **16.0678, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7600, 0.2860, 0.3842**, and **6.8510, 0.2611, 0.4374** is the 20% darker color. If you saturate the color by 10%, you get **18.9864, 0.2729, 0.4198**, and if you desaturate by 10%, it is **20.2434, 0.2834, 0.3842**.

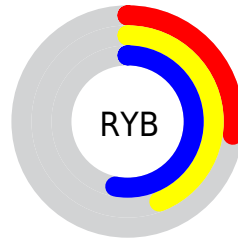
Distribution



Red (27%)

Green (53%)

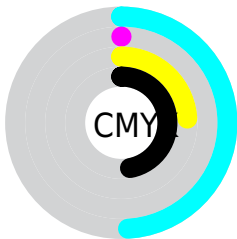
Blue (40%)



Red (27%)

Yellow (44%)

Blue (53%)

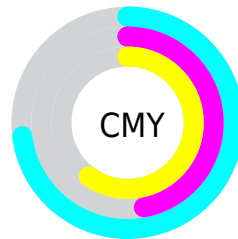


Cyan (49%)

Magenta (0%)

Yellow (24%)

Black (47%)



Cyan (73%)


Magenta (47%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5525, 0.2775, 0.4015 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 19.5525, 0.2775, 0.4015 by changing the saturation by 10% instead.


 19.5525, 0.2775,
0.4015


 19.5525, 0.2775,
0.4015


249.4821, 0.2984,
0.3584


 12.0702, 0.2707,
0.4156


 42.6656, 0.2861,
0.3837

 6.7915, 0.2607,
0.4363


 59.0652, 0.2890,
0.3777


 3.3320, 0.2446,
0.4697

 79.2060, 0.2914,
0.3729

 1.3074, 0.2029,
0.5547

 103.4725, 0.2933,
0.3689

 0.1470, 0.0000,
1.0000

 132.2489, 0.2949,
0.3656

 0.0000, 0.0000,
0.0000

165.9197, 0.2962,

0.3628

204.8693, 0.2974,
0.3604

■ 19.5525, 0.2775,
0.4015

■ 19.5525, 0.2775,
0.4015

■ 18.9864, 0.2729,
0.4198

■ 20.2434, 0.2834,
0.3842

■ 18.5348, 0.2698,
0.4386

■ 21.0640, 0.2902,
0.3681

■ 18.1894, 0.2685,
0.4577

■ 22.0217, 0.2977,
0.3532

■ 17.9399, 0.2690,
0.4764

■ 23.1228, 0.3055,
0.3398


■ 17.7605, 0.2710,
0.4944


■ 24.3730, 0.3136,
0.3278

 17.7424, 0.2712,
0.4963

 25.7778, 0.3217,
0.3170

 27.3425, 0.3296,
0.3075

 29.0721, 0.3374,
0.2992

 30.9711, 0.3448,
0.2918

Harmonies

Analogous

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



19.5525, 0.3341, 0.4337



19.5525, 0.2775, 0.4015



19.5525, 0.2330, 0.3441

Triad

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



19.5525, 0.2775, 0.4015



19.5525, 0.2369, 0.2374



19.5525, 0.4272, 0.3526

Complementary

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



19.5525, 0.2775, 0.4015



10.3604, 0.3754, 0.2679

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.



19.5525, 0.3967, 0.3078



19.5525, 0.2775, 0.4015



19.5525, 0.2829, 0.2446

Square

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



19.5525, 0.2775, 0.4015



19.5525, 0.2119, 0.2513



19.5525, 0.3418, 0.2697



19.5525, 0.4228, 0.3965

Rectangle

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



19.5525, 0.2775, 0.4015



19.5525, 0.2152, 0.3052



19.5525, 0.3418, 0.2697



19.5525, 0.4207, 0.3374

Sweetspot

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



19.5533, 0.2775, 0.4015



40.1090, 0.3004, 0.3483



20.5832, 0.3412, 0.4616



9.2076, 0.2990, 0.3508



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.



19.5533, 0.2775, 0.4015



33.8714, 0.2724, 0.4224



20.3435, 0.2504, 0.3288



5.2407, 0.3054, 0.3401



16.3610, 0.2710, 0.4957



0.0582, 0.2497, 0.4188

Inverse Universe

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



10.3604, 0.3754, 0.2679



15.3326, 0.3979, 0.2557



9.8309, 0.4420, 0.3294



4.7246, 0.3207, 0.3182



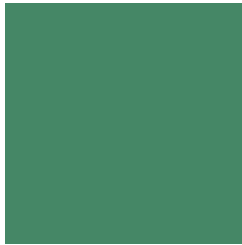
5.1312, 0.4900, 0.2473



0.0192, 0.4035, 0.1997

Previews

White Background



This preview shows how the Yxy color 19.5525, 0.2775, 0.4015 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 19.5525, 0.2775, 0.4015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

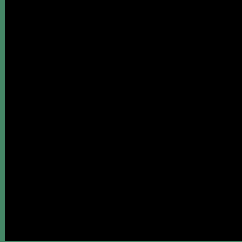
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5525, 0.2775, 0.4015

Background



This preview shows how black text looks on a background with the Yxy color 19.5525, 0.2775, 0.4015.



This preview shows how white text looks on a background with the Yxy color 19.5525, 0.2775, 0.4015.

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

19.5525, 0.2775, 0.4015

Protanopia

19.2651, 0.3543, 0.3759

Deuteranopia

19.2522, 0.3554, 0.3489



Tritanopia

19.5210, 0.2522, 0.3089

Trichromacy



Original Color

19.5525, 0.2775, 0.4015

Protanomaly

18.9917, 0.3220, 0.3858

Deuteranomaly

19.0126, 0.3219, 0.3666

Tritanomaly

19.5047, 0.2611, 0.3413

Monochromacy



Original Color

19.5525, 0.2775, 0.4015

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

17.0024, 0.2970, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5525, 0.2775, 0.4015 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, 135, 102)` looks like.

```
.text, #text, p{  
  color:rgb(69, 135, 102)  
}
```

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, 135, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 102) }
```

Border

The CSS property to change the border of an element to Yxy 19.5525, 0.2775, 0.4015 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, 135, 102) }
```

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

```
.border{ border-color:rgb(69, 135, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 135, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 102);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5525, 0.2775, 0.4015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 102) }
```

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

```
.background{ background-color: rgb(69, 135,  
102) }
```

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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