

Converting Colors

$Y_{xy}(20.6417, 0.3100, 0.4819)$

Have a look what the booklet for
Yxy(20.6417, 0.3100, 0.4819)
contains.

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Color

Yxy(20.6417, 0.3100, 0.4819)

Conversions

Conversions Part 1

Format	Color
Hex	4A8C45
RGB	74, 140, 69
RGB Percent	29%, 55%, 27%
CMY	0.7096, 0.4510, 0.7294
CMYK	0.47, 0.00, 0.51, 0.45
HSL	116°, 34%, 41%
HSV	116°, 51%, 55%
XYZ	13.2785, 20.6417, 8.9138
YIQ	112.1720, -16.5450, -36.0730

Conversions

Conversions Part 2

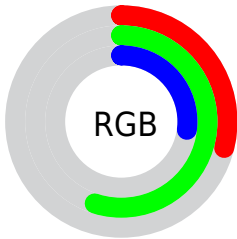
Format	Color
R_{YB}	69, 140, 135
Decimal	4885573
CIE _{Lab}	52.56, -36.05, 31.36
CIE _{LCh}	53, 47.782, 138.986
Yxy	20.6417, 0.3100, 0.4819
Android (android.graphics.Color)	4283075653 (0xFF4A8C45)
YUV	112.1720, -21.2838, -33.4768
Hunter-Lab	45.4331, -27.3386, 20.1708

Details

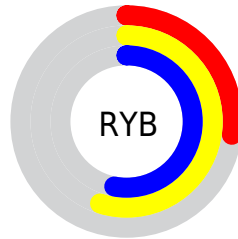
The Yxy color **20.6417, 0.3100, 0.4819** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.2962, 0.3105, 0.2082**, and the grayscale version is **16.3268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4275, 0.3132, 0.4435**, and **7.3219, 0.2983, 0.5532** is the 20% darker color. If you saturate the color by 10%, you get **20.0245, 0.3086, 0.5152**, and if you desaturate by 10%, it is **21.4084, 0.3111, 0.4477**.

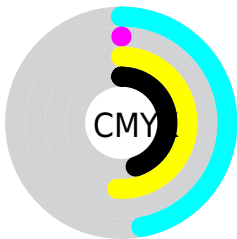
Distribution



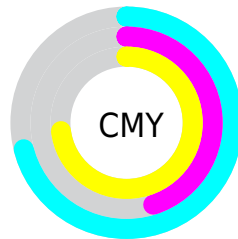
- Red (29%)
- Green (55%)
- Blue (27%)



- Red (27%)
- Yellow (55%)
- Blue (53%)



- Cyan (47%)
- Magenta (0%)
- Yellow (51%)
- Black (45%)





- Cyan (71%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6417, 0.3100, 0.4819 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 20.6417, 0.3100, 0.4819 by changing the saturation by 10% instead.


 20.6417, 0.3100,
0.4819

 20.6417, 0.3100,
0.4819


255.3682, 0.3152,
0.3901


 12.8624, 0.3061,
0.5114


 44.4905, 0.3134,
0.4440

 7.3338, 0.2986,
0.5539


 61.3287, 0.3141,
0.4312


 3.6717, 0.2853,
0.6251

 81.9553, 0.3146,
0.4210

 1.4917, 0.2282,
0.7718

 106.7547, 0.3149,
0.4126

 0.2829, 0.0000,
1.0000

 136.1113, 0.3150,
0.4056

 0.0000, 0.0000,
0.0000

170.4094, 0.3151,

0.3996

210.0336, 0.3151,
0.3945

■ 20.6417, 0.3100,
0.4819

■ 20.6417, 0.3100,
0.4819

■ 20.0245, 0.3086,
0.5152

■ 21.4084, 0.3111,
0.4477

■ 19.5447, 0.3069,
0.5454

■ 22.3307, 0.3119,
0.4146

■ 19.1924, 0.3051,
0.5702

■ 23.4175, 0.3123,
0.3837

■ 18.9553, 0.3032,
0.5876

■ 24.6763, 0.3126,
0.3556

■ 18.8196, 0.3021,
0.5983

■ 26.1141, 0.3127,
0.3307

■ 27.7375, 0.3127,
0.3088

■ 29.5528, 0.3125,
0.2897

■ 31.5660, 0.3123,
0.2731

■ 33.7829, 0.3121,
0.2588

Harmonies

Analogous

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



20.6417, 0.3914, 0.4843



20.6417, 0.3100, 0.4819



20.6417, 0.2337, 0.4130

Triad

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



20.6417, 0.3100, 0.4819



20.6417, 0.1790, 0.2069



20.6417, 0.4595, 0.3155

Complementary

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



20.6417, 0.3100, 0.4819



11.2962, 0.3105, 0.2082

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.



20.6417, 0.3851, 0.2604



20.6417, 0.3100, 0.4819



20.6417, 0.2224, 0.2006

Square

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



20.6417, 0.3100, 0.4819



20.6417, 0.1656, 0.2440



20.6417, 0.2952, 0.2199



20.6417, 0.4851, 0.3771

Rectangle

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



20.6417, 0.3100, 0.4819



20.6417, 0.1963, 0.3482



20.6417, 0.2952, 0.2199



20.6417, 0.4389, 0.2960

Sweetspot

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



20.6426, 0.3100, 0.4819



42.4478, 0.3125, 0.3681



23.0774, 0.3890, 0.4395



9.6865, 0.3125, 0.3734



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.



20.6426, 0.3100, 0.4819



35.1571, 0.3084, 0.5202



20.9134, 0.2814, 0.4185



5.6241, 0.3126, 0.3515



16.7265, 0.3022, 0.5982



0.1131, 0.3126, 0.5900

Inverse Universe

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



11.2962, 0.3105, 0.2082



16.7025, 0.3093, 0.1855



10.9659, 0.3678, 0.2556



5.1112, 0.3127, 0.3074



5.9065, 0.3036, 0.1446



0.0417, 0.3128, 0.1497

Previews

White Background



This preview shows how the Yxy color 20.6417, 0.3100, 0.4819 looks on a white background.

Color Contrast Check

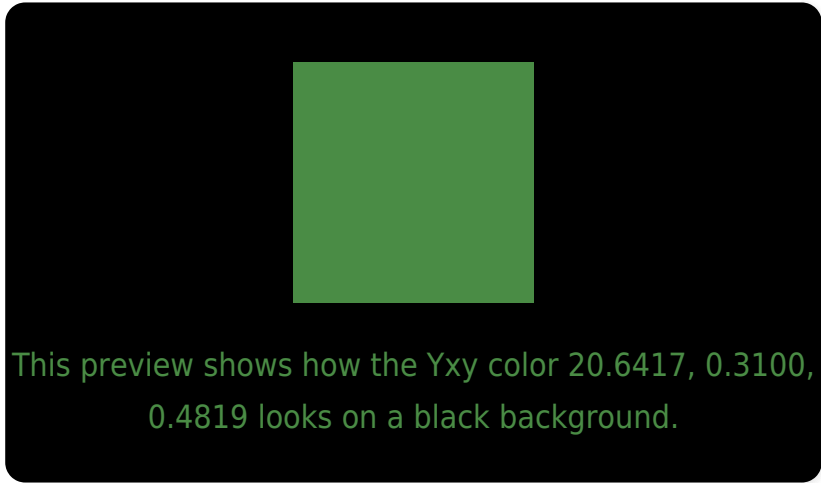
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

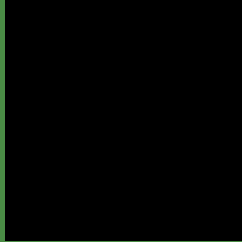
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6417, 0.3100, 0.4819

Background



This preview shows how black text looks on a background with the Yxy color 20.6417, 0.3100, 0.4819.



This preview shows how white text looks on a background with the Yxy color 20.6417, 0.3100, 0.4819.

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

20.6417, 0.3100, 0.4819

Protanopia

20.4407, 0.3988, 0.4350

Deuteranopia

20.2674, 0.4105, 0.4040



Tritanopia

20.6095, 0.2587, 0.3077

Trichromacy



Original Color

20.6417, 0.3100, 0.4819

Protanomaly

20.0034, 0.3627, 0.4525

Deuteranomaly

19.8576, 0.3691, 0.4330

Tritanomaly

20.4737, 0.2783, 0.3682

Monochromacy



Original Color

20.6417, 0.3100, 0.4819

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.3603, 0.3125, 0.3846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6417, 0.3100, 0.4819 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(74, 140, 69)` looks like.

```
.text, #text, p{  
    color:rgb(74, 140, 69)  
}
```

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(74, 140, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 140, 69) }
```

Border

The CSS property to change the border of an element to Yxy 20.6417, 0.3100, 0.4819 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(74, 140, 69) }
```

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

```
.border{ border-color:rgb(74, 140, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 140, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 140, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 140, 69);  
box-shadow:4px 4px 4px 4px rgb(74, 140,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6417, 0.3100, 0.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 140, 69) }
```

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

```
.background{ background-color: rgb(74, 140,  
69) }
```

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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