

Converting Colors

$Y_{xy}(20.6330, 0.3110, 0.4840)$

Have a look what the booklet for
Yxy(20.6330, 0.3110, 0.4840)
contains.

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Color

Yxy(20.6294, 0.3107, 0.4839)

Conversions

Conversions Part 1

Format	Color
Hex	4A8C44
RGB	74, 140, 68
RGB Percent	29%, 55%, 27%
CMY	0.7098, 0.4510, 0.7332
CMYK	0.47, 0.00, 0.51, 0.45
HSL	115°, 35%, 41%
HSV	115°, 51%, 55%
XYZ	13.2456, 20.6294, 8.7565
YIQ	112.0580, -16.2240, -36.3840

Conversions

Conversions Part 2

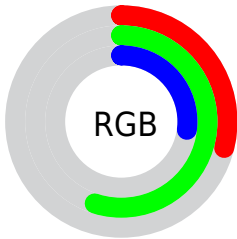
Format	Color
R_{YB}	68, 140, 134
Decimal	4885572
CIE _{Lab}	52.54, -36.21, 31.85
CIE _{LCh}	53, 48.222, 138.668
Yxy	20.6294, 0.3107, 0.4839
Android (android.graphics.Color)	4283075652 (0xFF4A8C44)
YUV	112.0580, -21.7206, -33.3769
Hunter-Lab	45.4196, -27.4287, 20.3631

Details

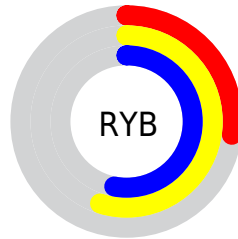
The Yxy color **20.6294, 0.3107, 0.4839** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1025, 0.3092, 0.2063**, and the grayscale version is **16.2902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4036, 0.3138, 0.4450**, and **7.3181, 0.2991, 0.5556** is the 20% darker color. If you saturate the color by 10%, you get **20.0206, 0.3093, 0.5170**, and if you desaturate by 10%, it is **21.3848, 0.3117, 0.4499**.

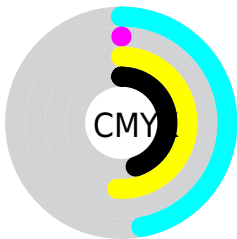
Distribution



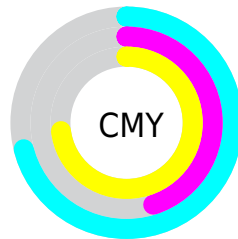
- Red (29%)
- Green (55%)
- Blue (27%)



- 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 20.6294, 0.3107, 0.4839 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 20.6294, 0.3107, 0.4839 by changing the saturation by 10% instead.


 20.6294, 0.3107,
0.4839


 20.6294, 0.3107,
0.4839

255.3024, 0.3156,
0.3909

 12.8534, 0.3068,
0.5138


 44.4699, 0.3140,
0.4455

 7.3277, 0.2992,
0.5567


 61.3032, 0.3147,
0.4326


 3.6678, 0.2862,
0.6296

 81.9244, 0.3151,
0.4222

 1.4896, 0.2263,
0.7737

 106.7179, 0.3154,
0.4137

 0.2814, 0.0000,
1.0000

 136.0680, 0.3155,
0.4066

 0.0000, 0.0000,
0.0000

170.3592, 0.3156,

0.4005

209.9758, 0.3156,
0.3954

■ 20.6294, 0.3107,
0.4839

■ 20.6294, 0.3107,
0.4839

■ 20.0206, 0.3093,
0.5170

■ 21.3848, 0.3117,
0.4499

■ 19.5464, 0.3076,
0.5468

■ 22.2927, 0.3124,
0.4167

■ 19.1974, 0.3057,
0.5711

■ 23.3619, 0.3127,
0.3857

■ 18.9615, 0.3036,
0.5881

■ 24.5995, 0.3128,
0.3575

■ 18.8324, 0.3025,
0.5980

■ 26.0125, 0.3127,
0.3323

■ 27.6074, 0.3125,
0.3102

■ 29.3902, 0.3122,
0.2909

■ 31.3669, 0.3119,
0.2741

■ 33.5430, 0.3115,
0.2596

Harmonies

Analogous

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



20.6294, 0.3927, 0.4853



20.6294, 0.3107, 0.4839



20.6294, 0.2337, 0.4148

Triad

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



20.6294, 0.3107, 0.4839



20.6294, 0.1777, 0.2062



20.6294, 0.4603, 0.3146

Complementary

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



20.6294, 0.3107, 0.4839



11.1025, 0.3092, 0.2063

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.



20.6294, 0.3848, 0.2593



20.6294, 0.3107, 0.4839



20.6294, 0.2210, 0.1996

Square

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



20.6294, 0.3107, 0.4839



20.6294, 0.1645, 0.2437



20.6294, 0.2941, 0.2187



20.6294, 0.4866, 0.3766

Rectangle

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



20.6294, 0.3107, 0.4839



20.6294, 0.1958, 0.3493



20.6294, 0.2941, 0.2187



20.6294, 0.4393, 0.2951

Sweetspot

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



20.6303, 0.3107, 0.4839



42.4798, 0.3128, 0.3681



23.0450, 0.3900, 0.4408



9.6945, 0.3128, 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.



20.6303, 0.3107, 0.4839



35.1193, 0.3090, 0.5230



20.8691, 0.2811, 0.4200



5.6268, 0.3128, 0.3515



16.7368, 0.3026, 0.5979



0.1134, 0.3146, 0.5884

Inverse Universe

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



11.1025, 0.3092, 0.2063



16.3119, 0.3075, 0.1829



10.8392, 0.3689, 0.2547



5.1083, 0.3125, 0.3074



5.7916, 0.3007, 0.1430



0.0414, 0.3114, 0.1489

Previews

White Background



This preview shows how the Yxy color 20.6294, 0.3107, 0.4839 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 20.6294, 0.3107, 0.4839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

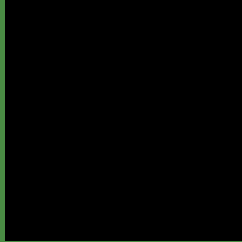
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6294, 0.3107, 0.4839

Background



This preview shows how black text looks on a background with the Yxy color 20.6294, 0.3107, 0.4839.



This preview shows how white text looks on a background with the Yxy color 20.6294, 0.3107, 0.4839.

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

20.6294, 0.3107, 0.4839

Protanopia

20.4294, 0.3998, 0.4365

Deuteranopia

20.3501, 0.4130, 0.4051



Tritanopia

20.6095, 0.2587, 0.3077

Trichromacy



Original Color

20.6294, 0.3107, 0.4839

Protanomaly

19.9918, 0.3637, 0.4542

Deuteranomaly

19.9188, 0.3715, 0.4343

Tritanomaly

20.4737, 0.2783, 0.3682

Monochromacy



Original Color

20.6294, 0.3107, 0.4839

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 20.6294, 0.3107, 0.4839 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(74, 140, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 140, 68) }
```

Border

The CSS property to change the border of an element to Yxy 20.6294, 0.3107, 0.4839 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, 68) }
```

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

```
.border{ border-color:rgb(74, 140, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 140, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 140, 68);  
box-shadow:4px 4px 4px 4px rgb(74, 140,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6294, 0.3107, 0.4839 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, 68) }
```

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

```
.background{ background-color: rgb(74, 140,  
68) }
```

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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