

Converting Colors

$Y_{xy}(19.6770, 0.3364, 0.4508)$

Have a look what the booklet for
Yxy(19.6770, 0.3364, 0.4508)
contains.

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Color

Yxy(19.6929, 0.3364, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	648449
RGB	100, 132, 73
RGB Percent	39%, 52%, 29%
CMY	0.6077, 0.4824, 0.7137
CMYK	0.24, 0.00, 0.45, 0.48
HSL	93°, 29%, 40%
HSV	93°, 45%, 52%
XYZ	14.7117, 19.6929, 9.3282
YIQ	115.7060, -0.1330, -25.1330

Conversions

Conversions Part 2

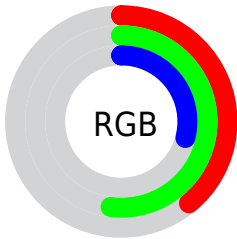
Format	Color
R_{YB}	73, 132, 105
Decimal	6587465
CIE _{Lab}	51.49, -22.44, 28.19
CIE _{LCh}	51, 36.031, 128.517
Yxy	19.6929, 0.3364, 0.4503
Android (android.graphics.Color)	4284777545 (0xFF648449)
YUV	115.7060, -21.0541, -13.7742
Hunter-Lab	44.3767, -18.4830, 18.6006

Details

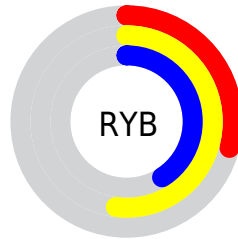
The Yxy color **19.6929, 0.3364, 0.4503** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **9.4316, 0.2761, 0.2105**, and the grayscale version is **17.4380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8034, 0.3324, 0.4201**, and **6.8175, 0.3391, 0.5047** is the 20% darker color. If you saturate the color by 10%, you get **19.1466, 0.3396, 0.4794**, and if you desaturate by 10%, it is **20.3139, 0.3320, 0.4209**.

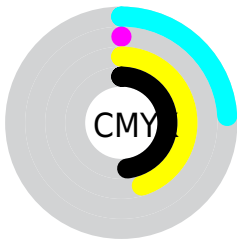
Distribution



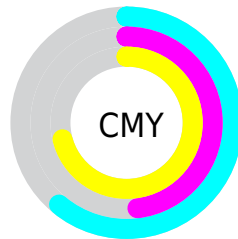
- Red (39%)
- Green (52%)
- Blue (29%)



- Red (29%)
- Yellow (52%)
- Blue (41%)



- Cyan (24%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)



- Cyan (61%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6929, 0.3364, 0.4503 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 19.6929, 0.3364, 0.4503 by changing the saturation by 10% instead.


 19.6929, 0.3364,
0.4503


 19.6929, 0.3364,
0.4503


250.2477, 0.3251,
0.3784


 12.1720, 0.3382,
0.4731


 42.9017, 0.3328,
0.4209


 6.8609, 0.3392,
0.5056


 59.3584, 0.3312,
0.4109

 3.3753, 0.3390,
0.5585

 79.5625, 0.3299,
0.4028

 1.3307, 0.3319,
0.6681

 103.8984, 0.3287,
0.3962

 0.1648, 0.0000,
1.0000

 132.7505, 0.3276,
0.3906

 0.0000, 0.0000,
0.0000

166.5031, 0.3267,

0.3859

205.5407, 0.3259,
0.3819

■ 19.6929, 0.3364,
0.4503

■ 19.6929, 0.3364,
0.4503

■ 19.1466, 0.3396,
0.4794

■ 20.3139, 0.3320,
0.4209

■ 18.6692, 0.3413,
0.5070

■ 21.0100, 0.3269,
0.3923

■ 18.2579, 0.3412,
0.5315

■ 21.7850, 0.3213,
0.3652

■ 17.9086, 0.3391,
0.5516

■ 22.6416, 0.3155,
0.3401

■ 17.6162, 0.3352,
0.5666


■ 23.5822, 0.3096,
0.3171

 17.4774, 0.3330,
0.5738

 24.6094, 0.3040,
0.2962

 25.7255, 0.2985,
0.2775

 26.9327, 0.2934,
0.2608

 28.2330, 0.2886,
0.2459

Harmonies

Analogous

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



19.6929, 0.3974, 0.4420



19.6929, 0.3364, 0.4503



19.6929, 0.2723, 0.4137

Triad

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



19.6929, 0.3364, 0.4503



19.6929, 0.1991, 0.2407



19.6929, 0.4086, 0.3039

Complementary

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



19.6929, 0.3364, 0.4503



9.4316, 0.2761, 0.2105

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.



19.6929, 0.3450, 0.2617



19.6929, 0.3364, 0.4503



19.6929, 0.2266, 0.2257

Square

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



19.6929, 0.3364, 0.4503



19.6929, 0.1973, 0.2818



19.6929, 0.2778, 0.2339



19.6929, 0.4437, 0.3537

Rectangle

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



19.6929, 0.3364, 0.4503



19.6929, 0.2366, 0.3701



19.6929, 0.2778, 0.2339



19.6929, 0.3894, 0.2887

Sweetspot

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



19.6938, 0.3364, 0.4503



38.5798, 0.3205, 0.3616



15.3805, 0.3975, 0.3890



8.9168, 0.3216, 0.3666



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.



19.6938, 0.3364, 0.4503



33.6828, 0.3397, 0.4809



18.4256, 0.3048, 0.4577



5.3015, 0.3180, 0.3510



16.9264, 0.3331, 0.5737



0.0629, 0.3675, 0.5464

Inverse Universe

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



9.4316, 0.2761, 0.2105



13.1018, 0.2645, 0.1815



11.2825, 0.3206, 0.2271



4.6596, 0.3070, 0.3071



2.9324, 0.2135, 0.0950



0.0145, 0.2602, 0.1207

Previews

White Background



This preview shows how the Yxy color 19.6929, 0.3364, 0.4503 looks on a white background.

Color Contrast Check

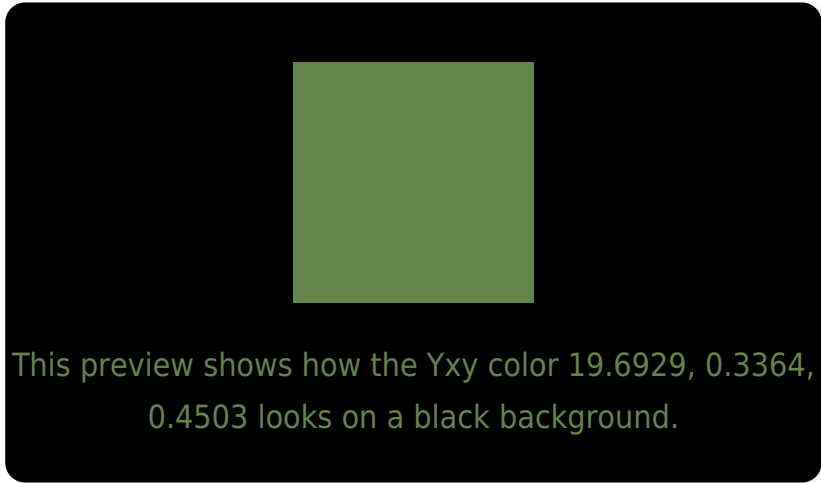
Large Text (above 18pt) WCAG AA ✓ Pass

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

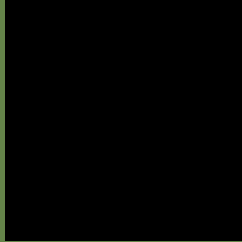
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.6929, 0.3364, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 19.6929, 0.3364, 0.4503.



This preview shows how white text looks on a background with the Yxy color 19.6929, 0.3364, 0.4503.

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

19.6929, 0.3364, 0.4503

Protanopia

19.4296, 0.3897, 0.4230

Deuteranopia

19.5543, 0.4046, 0.3973



Tritanopia

19.6677, 0.2839, 0.3100

Trichromacy



Original Color

19.6929, 0.3364, 0.4503

Protanomaly

19.5142, 0.3695, 0.4337

Deuteranomaly

19.2662, 0.3789, 0.4142

Tritanomaly

19.6724, 0.3043, 0.3609

Monochromacy



Original Color

19.6929, 0.3364, 0.4503

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.1542, 0.3230, 0.3737

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6929, 0.3364, 0.4503 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(100, 132, 73)` looks like.

```
.text, #text, p{  
    color:rgb(100, 132, 73)  
}
```

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(100, 132, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 132, 73) }
```

Border

The CSS property to change the border of an element to Yxy 19.6929, 0.3364, 0.4503 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(100, 132, 73) }
```

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

```
.border{ border-color:rgb(100, 132, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 132, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 132, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 132, 73);  
box-shadow:4px 4px 4px 4px rgb(100, 132,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6929, 0.3364, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 132, 73) }
```

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

```
.background{ background-color: rgb(100,  
132, 73) }
```

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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