

Converting Colors

$Y_{xy}(20.6400, 0.4145, 0.4399)$

Have a look what the booklet for
Yxy(20.6400, 0.4145, 0.4399)
contains.

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Color

Yxy(20.6400, 0.4145, 0.4399)

Conversions

Conversions Part 1

Format	Color
Hex	907C39
RGB	144, 124, 57
RGB Percent	56%, 49%, 22%
CMY	0.4353, 0.5137, 0.7764
CMYK	0.00, 0.14, 0.60, 0.44
HSL	46°, 43%, 39%
HSV	46°, 60%, 56%
XYZ	19.4482, 20.6400, 6.8315
YIQ	122.3420, 33.4270, -16.5970

Conversions

Conversions Part 2

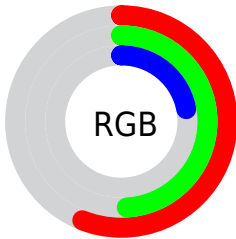
Format	Color
R_{YB}	83, 144, 57
Decimal	9468985
CIE Lab	52.55, -0.85, 38.72
CIE LCh	53, 38.732, 91.262
Yxy	20.6400, 0.4145, 0.4399
Android (android.graphics.Color)	4287659065 (0xFF907C39)
YUV	122.3420, -32.2136, 18.9941
Hunter-Lab	45.4313, -3.0924, 22.8864

Details

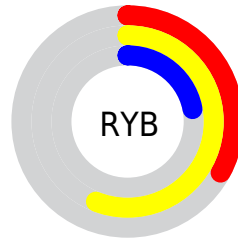
The Yxy color **20.6400, 0.4145, 0.4399** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.1936, 0.2082, 0.1819**, and the grayscale version is **19.6801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3706, 0.3946, 0.4174**, and **7.4062, 0.4451, 0.4755** is the 20% darker color. If you saturate the color by 10%, you get **19.7011, 0.4306, 0.4529**, and if you desaturate by 10%, it is **21.6495, 0.3971, 0.4239**.

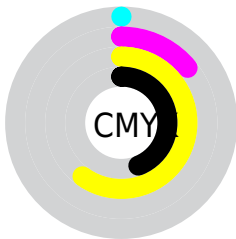
Distribution



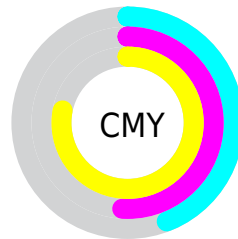
- Red (56%)
- Green (49%)
- Blue (22%)



- Red (33%)
- Yellow (56%)
- Blue (22%)



- Cyan (0%)
- Magenta (14%)
- Yellow (60%)
- Black (44%)



- Cyan (44%)
- Magenta (51%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6400, 0.4145, 0.4399 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 20.6400, 0.4145, 0.4399 by changing the saturation by 10% instead.

20.6400, 0.4145,
0.4399

20.6400, 0.4145,
0.4399

255.3591, 0.3593,
0.3794

12.8611, 0.4285,
0.4554

44.4876, 0.3939,
0.4172

7.3330, 0.4454,
0.4744

61.3251, 0.3863,
0.4088

3.6712, 0.4827,
0.5157

81.9510, 0.3799,
0.4019

1.4914, 0.4821,
0.5179

106.7496, 0.3745,
0.3960

0.2827, 0.4672,
0.5328

136.1053, 0.3698,
0.3909

0.0000, 0.0000,
0.0000

170.4025, 0.3658,

0.3866

210.0256, 0.3624,
0.3828

■ 20.6400, 0.4145,
0.4399

■ 20.6400, 0.4145,
0.4399

■ 19.7011, 0.4306,
0.4529

■ 21.6495, 0.3971,
0.4239

■ 18.8260, 0.4448,
0.4621

■ 22.7301, 0.3793,
0.4059

■ 18.0112, 0.4564,
0.4669

■ 23.8859, 0.3615,
0.3868

■ 17.2753, 0.4657,
0.4684

■ 25.1196, 0.3444,
0.3673

■ 26.4339, 0.3283,
0.3482

■ 27.8314, 0.3133,
0.3297

■ 29.3143, 0.2995,
0.3123

■ 30.8850, 0.2870,
0.2959

■ 32.5456, 0.2757,
0.2808

Harmonies

Analogous

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



20.6400, 0.4502, 0.3943



20.6400, 0.4145, 0.4399



20.6400, 0.3536, 0.4596

Triad

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



20.6400, 0.4145, 0.4399



20.6400, 0.1952, 0.2933



20.6400, 0.3288, 0.2496

Complementary

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



20.6400, 0.4145, 0.4399



8.1936, 0.2082, 0.1819

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.



20.6400, 0.2607, 0.2251



20.6400, 0.4145, 0.4399



20.6400, 0.1905, 0.2436

Square

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



20.6400, 0.4145, 0.4399



20.6400, 0.2279, 0.3655



20.6400, 0.2127, 0.2219



20.6400, 0.3997, 0.2906

Rectangle

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



20.6400, 0.4145, 0.4399



20.6400, 0.3077, 0.4475



20.6400, 0.2127, 0.2219



20.6400, 0.3046, 0.2393

Sweetspot

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



20.6410, 0.4145, 0.4399



44.7648, 0.3411, 0.3634



9.3974, 0.4495, 0.2950



10.1285, 0.3455, 0.3685



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



20.6410, 0.4145, 0.4399



34.2618, 0.4352, 0.4562



24.2933, 0.3681, 0.4816



6.0781, 0.3264, 0.3459



15.0798, 0.4654, 0.4687



0.1773, 0.4403, 0.4886

Inverse Universe

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



8.1936, 0.2082, 0.1819



10.4615, 0.1867, 0.1459



6.6561, 0.2252, 0.1525



5.4437, 0.2990, 0.3116



2.7372, 0.1580, 0.0887



0.0549, 0.1778, 0.1602

Previews

White Background



This preview shows how the Yxy color 20.6400, 0.4145, 0.4399 looks on a white background.

Color Contrast Check

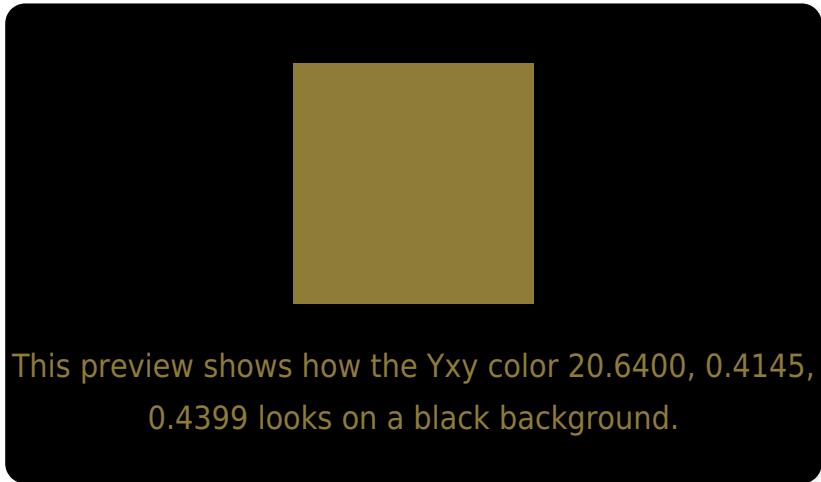
Large Text (above 18pt) WCAG AA ✓ Pass

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

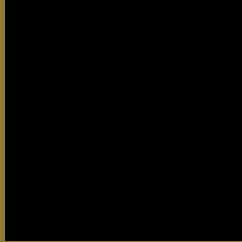
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6400, 0.4145, 0.4399

Background



This preview shows how black text looks on a background with the Yxy color 20.6400, 0.4145, 0.4399.



This preview shows how white text looks on a background with the Yxy color 20.6400, 0.4145, 0.4399.

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

20.6400, 0.4145, 0.4399

Protanopia

20.7162, 0.4050, 0.4446

Deuteranopia

20.4677, 0.4332, 0.4246



Tritanopia

20.7130, 0.3442, 0.3140

Trichromacy



Original Color

20.6400, 0.4145, 0.4399

Protanomaly

20.6354, 0.4086, 0.4419

Deuteranomaly

20.5595, 0.4258, 0.4299

Tritanomaly

20.6684, 0.3725, 0.3618

Monochromacy



Original Color

20.6400, 0.4145, 0.4399

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7936, 0.3510, 0.3757

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6400, 0.4145, 0.4399 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(144, 124, 57)` looks like.

```
.text, #text, p{  
    color:rgb(144, 124, 57)  
}
```

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(144, 124, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 124, 57) }
```

Border

The CSS property to change the border of an element to Yxy 20.6400, 0.4145, 0.4399 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(144, 124, 57) }
```

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

```
.border{ border-color:rgb(144, 124, 57) }
```

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

Here you see how a box with a 4 pixel rgb(144, 124, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 124, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 124, 57);  
box-shadow:4px 4px 4px 4px rgb(144, 124,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6400, 0.4145, 0.4399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 124, 57) }
```

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

```
.background{ background-color: rgb(144,  
124, 57) }
```

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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