Converting Colors

Yxy(2.0906, 0.7184, 0.2816)

Have a look what the booklet for Yxy(2.0906, 0.7184, 0.2816) contains.

Yxy(3.0033, 0.6401, 0.3300) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(3.0033, 0.6401, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	690000
RGB	105, 0, 0
RGB Percent	41%, 0%, 0%
CMY	0.5882, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.59
HSL	0°, 100%, 21%
HSV	0°, 100%, 41%
XYZ	5.8255, 3.0033, 0.2721
YIQ	31.3950, 62.5800, 22.2600

Conversions

Conversions Part 2

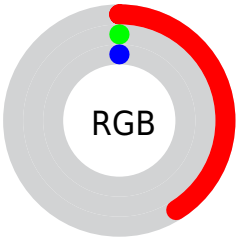
Format	Color
RYB	105, 0, 0
Decimal	6881280
CIELab	20.06, 41.72, 30.69
CIELCh	20, 51.790, 36.339
Yxy	3.0033, 0.6401, 0.3300
Android (android.graphics.Color)	4285071360 (0xFF690000)
YUV	31.3950, -15.4777, 64.5516
Hunter-Lab	17.3300, 29.6752, 11.2000

Details

The Yxy color 3.0033, 0.6401, 0.3300 is a dark color, and the websafe version is hex 660000. A complement of this color would be 11.1188, 0.2246, 0.3287, and the grayscale version is 1.4078, 0.3127, 0.3290.

A 20% lighter version of the original color is 11.2235, 0.5318, 0.3464, and 0.7082, 0.6238, 0.3210 is the 20% darker color. If you saturate the color by 10%, you get 3.0035, 0.6400, 0.3300, and if you desaturate by 10%, it is 3.2545, 0.6079, 0.3299.

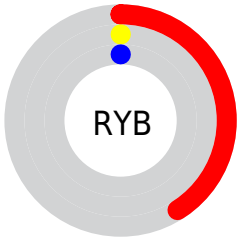
Distribution



Red (41%)

Green (0%)

Blue (0%)



Red (41%)

Yellow (0%)

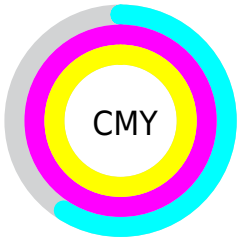
Blue (0%)

Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (59%)



Cyan (59%)

Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 3.0033, 0.6401, 0.3300 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 3.0033, 0.6401, 0.3300 by changing the saturation by 10% instead.

3.0033, 0.6401, 0.3300

128.3300, 0.4126, 0.3477

11.2854, 0.5324, 0.3474

18.4665, 0.5014, 0.3500

28.1868, 0.4776, 0.3508

40.8306, 0.4588, 0.3506

56.7825, 0.4438, 0.3501

76.4267, 0.4315,

3.0033, 0.6401, 0.3300

1.1335, 0.7103, 0.2897

0.0063, 0.9939, 0.0061

0.0000, 0.0000, 0.0000

0.3493

100.1478, 0.4212, 0.3485

3.0033, 0.6401, 0.3300

3.0035, 0.6400, 0.3300

3.0033, 0.6401, 0.3300

3.2545, 0.6079, 0.3299

3.5941, 0.5716, 0.3298

4.1117, 0.5278, 0.3297

4.8270, 0.4828, 0.3295

5.7572, 0.4410, 0.3294

6.9177, 0.4046, 0.3293

8.3224, 0.3742, 0.3292

9.9842, 0.3493, 0.3291

11.9149, 0.3291, 0.3291

Harmonies

Analogous

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

3.0033, 0.5526, 0.2465

3.0033, 0.6401, 0.3300

3.0033, 0.5807, 0.4193

Triad

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

3.0033, 0.6401, 0.3300

3.0033, 0.1944, 0.6098

3.0033, 0.1216, 0.1148

Complementary

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

3.0033, 0.6401, 0.3300

11.1188, 0.2246, 0.3287

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.

3.0033, 0.0815, 0.1318

3.0033, 0.6401, 0.3300

3.0033, 0.1052, 0.3701

Square

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

3.0033, 0.6401, 0.3300

3.0033, 0.3294, 0.6706

3.0033, 0.0744, 0.2000

3.0033, 0.2116, 0.1297

Rectangle

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

3.0033, 0.6401, 0.3300

3.0033, 0.5031, 0.4969

3.0033, 0.0744, 0.2000

3.0033, 0.1039, 0.1166

Sweetspot

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

3.0035, 0.6400, 0.3300

14.6679, 0.3766, 0.3292

4.0230, 0.3209, 0.1542

3.2485, 0.3854, 0.3292

55.4222, 0.3127, 0.3290

5.9254, 0.3127, 0.3290

Same Dimension

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

3.0035, 0.6400, 0.3300

5.3782, 0.6401, 0.3300

5.5039, 0.5333, 0.4148

3.1169, 0.3272, 0.3290

3.8032, 0.6401, 0.3300

19.3775, 0.6401, 0.3300

Inverse Universe

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

11.1188, 0.2246, 0.3287

19.9103, 0.2246, 0.3287

3.5206, 0.1796, 0.1664

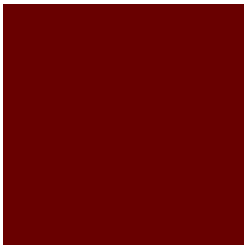
3.4918, 0.2997, 0.3290

14.0792, 0.2246, 0.3287

71.7380, 0.2246, 0.3287

Previews

White Background

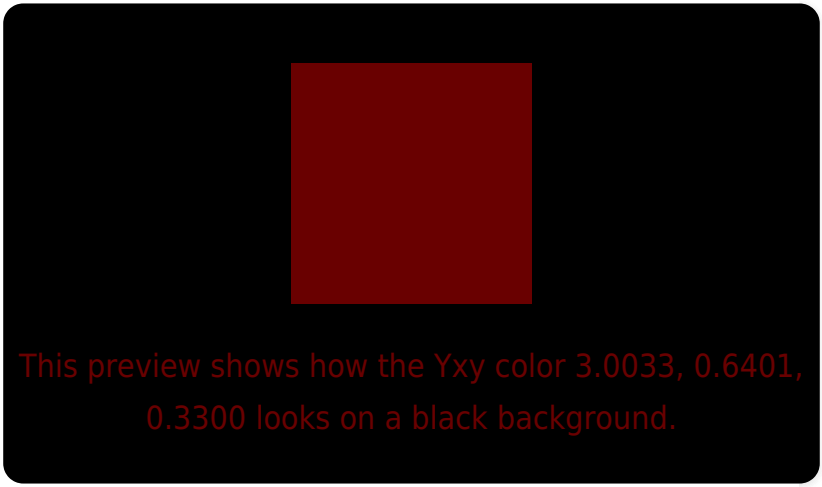


This preview shows how the Yxy color 3.0033, 0.6401, 0.3300 looks on a white background.

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 ✓ Pass

Black Background

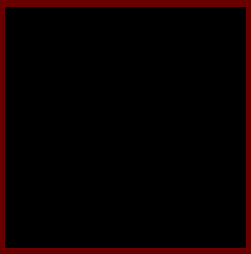


Color Contrast Check

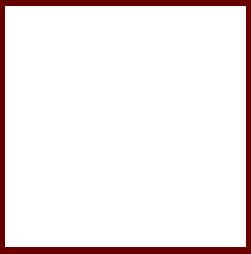
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 3.0033, 0.6401, 0.3300 Background



This preview shows how black text looks on a background with the Yxy color 3.0033, 0.6401, 0.3300.

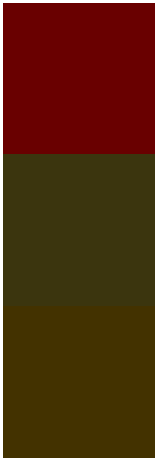


This preview shows how white text looks on a background with the Yxy color 3.0033, 0.6401, 0.3300.

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



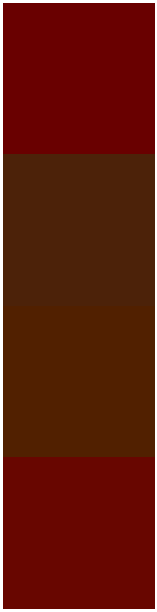
Original Color
3.0033, 0.6401, 0.3300

Protanopia
3.5077, 0.4158, 0.4622

Deuteranopia
3.4745, 0.4658, 0.4684

Tritanopia
3.1601, 0.6268, 0.3405

Trichromacy



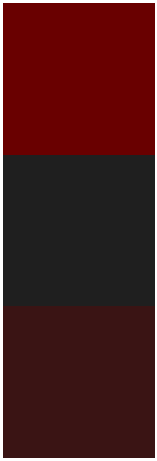
Original Color
3.0033, 0.6401, 0.3300

Protanomaly
2.7003, 0.5226, 0.3918

Deuteranomaly
2.7824, 0.5567, 0.3962

Tritanomaly
3.0733, 0.6320, 0.3364

Monochromacy



Original Color
3.0033, 0.6401, 0.3300

Achromatopsia
1.3702, 0.3127, 0.3290

Achromatomaly
1.4504, 0.4819, 0.3295

CSS Examples

Text

The CSS property to change the color of the text to Yxy 3.0033, 0.6401, 0.3300 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(105, 0, 0) looks like.

```
.text, #text, p{
    color:rgb(105, 0, 0)
}
```

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(105, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 0, 0) }
```

Border

The CSS property to change the border of an element to Yxy 3.0033, 0.6401, 0.3300 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(105, 0, 0) }
```

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

```
.border{ border-color:rgb(105, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(105, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 0, 0); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 0, 0); box-shadow:4px 4px 4px 4px rgb(105, 0, 0) }
```

Background

The CSS property to change the background color of an element to Yxy 3.0033, 0.6401, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(105, 0, 0) }
```

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

```
.background{ background-color:rgb(105, 0,
0) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor