Converting Colors

Yxy(13.3792, 0.3167, 0.3274)

Have a look what the booklet for Yxy(13.3792, 0.3167, 0.3274) contains.

Yxy(13.4653, 0.3170, 0.3290) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(13.4653, 0.3170, 0.3290)

Conversions

Format	Color
	Conversions Part 1
Hex	696666
RGB	105, 102, 102
RGB Percent	41%, 40%, 40%
CMY	0.5883, 0.6000, 0.6000
CMYK	0.00, 0.03, 0.03, 0.59
HSL	360°, 1%, 41%
HSV	360°, 3%, 41%
XYZ	12.9742, 13.4653, 14.4885
YIQ	102.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

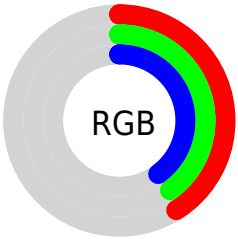
Format	Color
RYB	105, 102, 102
Decimal	6907494
CIELab	43.46, 1.17, 0.40
CIELCh	43, 1.236, 19.106
Yxy	13.4653, 0.3170, 0.3290
Android (android.graphics.Color)	4285097574 (0xFF696666)
YUV	102.8970, -0.4422, 1.8443
Hunter-Lab	36.6951, -1.1048, 2.2768

Details

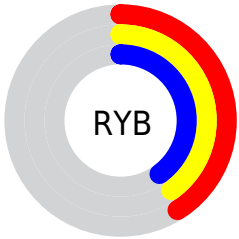
The Yxy color 13.4653, 0.3170, 0.3290 is a dark color, and the websafe version is hex 666666. A complement of this color would be 13.9442, 0.3086, 0.3290, and the grayscale version is 13.5356, 0.3127, 0.3290.

A 20% lighter version of the original color is 32.1503, 0.3157, 0.3290, and 3.9078, 0.3200, 0.3290 is the 20% darker color. If you saturate the color by 10%, you get 11.3362, 0.3343, 0.3290, and if you desaturate by 10%, it is 15.8833, 0.3030, 0.3290.

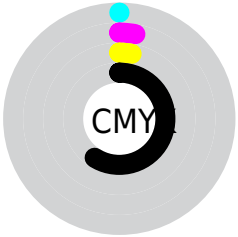
Distribution



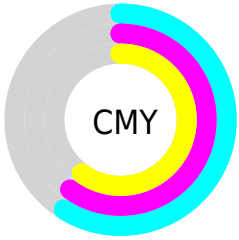
- Red (41%)
- Green (40%)
- Blue (40%)



- Red (41%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (3%)
- Yellow (3%)
- Black (59%)



- Cyan (59%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.4653, 0.3170, 0.3290 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 13.4653, 0.3170, 0.3290 by changing the saturation by 10% instead.

13.4653, 0.3170, 0.3290

213.8786, 0.3144, 0.3290

32.1372, 0.3159, 0.3290

45.8624, 0.3156, 0.3290

63.0261, 0.3153, 0.3290

84.0130, 0.3150, 0.3290

109.2072, 0.3149, 0.3290

138.9933, 0.3147,

13.4653, 0.3170, 0.3290

7.7497, 0.3179, 0.3290

3.9352, 0.3192, 0.3290

1.6374, 0.3214, 0.3290

0.3826, 0.3372, 0.3290

0.0000, 0.0000, 0.0000

0.3290

173.7556, 0.3145, 0.3290

13.4653, 0.3170, 0.3290

13.4653, 0.3170, 0.3290

11.3362, 0.3343, 0.3290

15.8833, 0.3030, 0.3290

9.4834, 0.3558, 0.3290

18.5985, 0.2915, 0.3290

7.8963, 0.3821, 0.3291

21.6211, 0.2822, 0.3290

6.5625, 0.4142, 0.3291

24.9605, 0.2745, 0.3290

5.4691, 0.4521, 0.3292

28.6254, 0.2681, 0.3290

4.6017, 0.4951, 0.3293

3.9445, 0.5403, 0.3295

3.4797, 0.5826, 0.3296

3.1823, 0.6163, 0.3297

32.6243, 0.2628, 0.3290

36.9654, 0.2583, 0.3290

41.6565, 0.2546, 0.3290

46.7054, 0.2513, 0.3290

Harmonies

Analogous

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

13.4653, 0.3150, 0.3268

13.4653, 0.3170, 0.3290

13.4653, 0.3178, 0.3313

Triad

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

13.4653, 0.3170, 0.3290

13.4653, 0.3130, 0.3330

13.4653, 0.3082, 0.3251

Complementary

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

13.4653, 0.3170, 0.3290

13.9442, 0.3086, 0.3290

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.

13.4653, 0.3076, 0.3268

13.4653, 0.3170, 0.3290

13.4653, 0.3104, 0.3313

Square

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

13.4653, 0.3170, 0.3290

13.4653, 0.3155, 0.3336

13.4653, 0.3085, 0.3290

13.4653, 0.3099, 0.3245

Rectangle

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

13.4653, 0.3170, 0.3290

13.4653, 0.3176, 0.3325

13.4653, 0.3085, 0.3290

13.4653, 0.3078, 0.3256

Sweetspot

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

13.4659, 0.3170, 0.3290

24.8640, 0.3142, 0.3290

13.5229, 0.3129, 0.3226

5.8329, 0.3141, 0.3290

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.

13.4659, 0.3170, 0.3290

24.0184, 0.3174, 0.3290

13.7509, 0.3168, 0.3321

3.4180, 0.3182, 0.3290

3.8031, 0.6398, 0.3298

19.3774, 0.6400, 0.3299

Inverse Universe

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

13.4659, 0.3170, 0.3290

24.0184, 0.3174, 0.3290

13.6539, 0.3087, 0.3259

3.4180, 0.3182, 0.3290

3.8031, 0.6398, 0.3298

19.3774, 0.6400, 0.3299

Previews

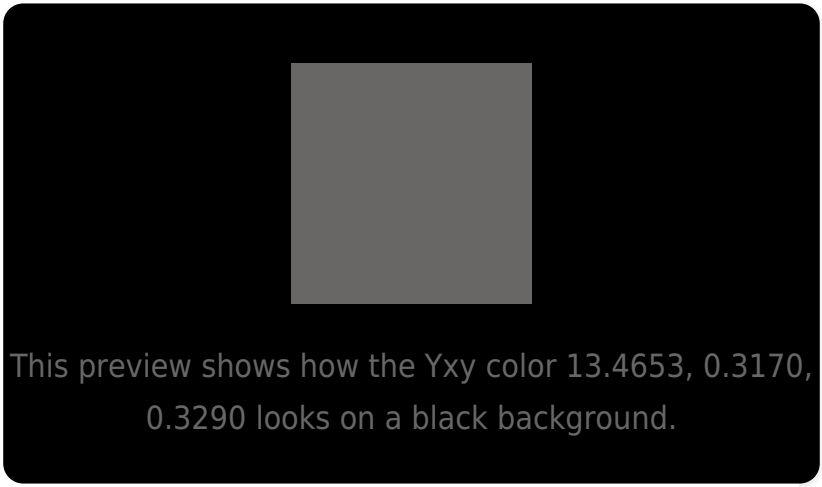
White Background

This preview shows how the Yxy color 13.4653, 0.3170, 0.3290 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 ✕ Fail

Black Background



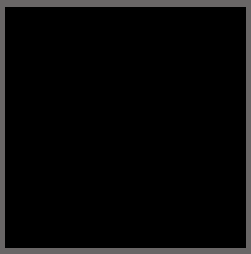
This preview shows how the Yxy color 13.4653, 0.3170, 0.3290 looks on a black background.

Color Contrast Check

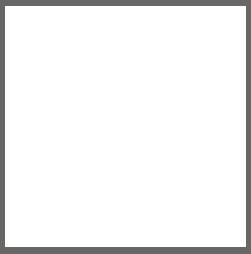
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

Yxy 13.4653, 0.3170, 0.3290 Background



This preview shows how black text looks on a background with the Yxy color 13.4653, 0.3170, 0.3290.



This preview shows how white text looks on a background with the Yxy color 13.4653, 0.3170, 0.3290.

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
13.4653, 0.3170, 0.3290

Protanopia
13.4653, 0.3170, 0.3290

Deuteranopia
13.3477, 0.3265, 0.3206

Tritanopia
13.4757, 0.3092, 0.3119

Trichromacy

Original Color
13.4653, 0.3170, 0.3290

Protanomaly
13.4653, 0.3170, 0.3290

Deuteranomaly
13.3448, 0.3218, 0.3226

Tritanomaly
13.4121, 0.3132, 0.3183

Monochromacy

Original Color
13.4653, 0.3170, 0.3290

Achromatopsia
13.5633, 0.3127, 0.3290

Achromatomaly
13.6228, 0.3141, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4653, 0.3170, 0.3290 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, 102, 102) looks like.

```
.text, #text, p{
    color:rgb(105, 102, 102)
}
```

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, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 102, 102) }
```

Border

The CSS property to change the border of an element to Yxy 13.4653, 0.3170, 0.3290 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, 102, 102) }
```

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

```
.border{ border-color:rgb(105, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(105, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 102, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 102, 102); box-shadow:4px 4px 4px 4px rgb(105, 102, 102) }
```

Background

The CSS property to change the background color of an element to Yxy 13.4653, 0.3170, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(105, 102, 102) }
```

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

```
.background{ background-color:rgb(105,
102, 102) }
```

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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