

Converting Colors

$Y_{xy}(13.7731, 0.3093, 0.3371)$

Have a look what the booklet for
Yxy(13.7731, 0.3093, 0.3371)
contains.

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Color

Yxy(13.7151, 0.3082, 0.3356)

Conversions

Conversions Part 1

Format	Color
Hex	636966
RGB	99, 105, 102
RGB Percent	39%, 41%, 40%
CMY	0.6118, 0.5882, 0.5999
CMYK	0.06, 0.00, 0.03, 0.59
HSL	150°, 3%, 40%
HSV	150°, 6%, 41%
XYZ	12.5953, 13.7151, 14.5570
YIQ	102.8640, -2.6130, -2.2050

Conversions

Conversions Part 2

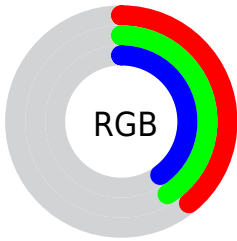
Format	Color
R_{YB}	99, 103, 105
Decimal	6515046
CIE Lab	43.82, -2.94, 0.87
CIE LCh	44, 3.065, 163.430
Yxy	13.7151, 0.3082, 0.3356
Android (android.graphics.Color)	4284705126 (0xFF636966)
YUV	102.8640, -0.4260, -3.3887
Hunter-Lab	37.0339, -4.1010, 2.6185

Details

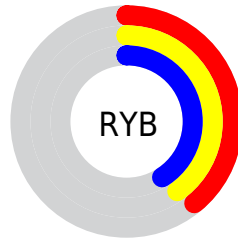
The Yxy color **13.7151, 0.3082, 0.3356** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8849, 0.3175, 0.3225**, and the grayscale version is **13.5276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.5609, 0.3096, 0.3336**, and **4.0588, 0.3076, 0.3401** is the 20% darker color. If you saturate the color by 10%, you get **13.0618, 0.3004, 0.3482**, and if you desaturate by 10%, it is **14.4530, 0.3161, 0.3243**.

Distribution



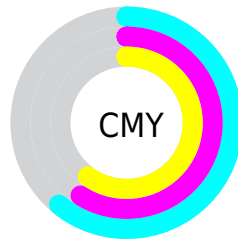
- Red (39%)
- Green (41%)
- Blue (40%)



- Red (39%)
- Yellow (40%)
- Blue (41%)



- Cyan (6%)
- Magenta (0%)
- Yellow (3%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7151, 0.3082, 0.3356 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 13.7151, 0.3082, 0.3356 by changing the saturation by 10% instead.

■ 13.7151, 0.3082,
0.3356

■ 13.7151, 0.3082,
0.3356

■ 215.4512, 0.3109,
0.3316

■ 7.9228, 0.3073,
0.3369

■ 32.5827, 0.3093,
0.3339

■ 4.0456, 0.3059,
0.3390

■ 46.4267, 0.3097,
0.3334

■ 1.6991, 0.3036,
0.3423

■ 63.7234, 0.3100,
0.3329

■ 0.4231, 0.2866,
0.3669

■ 84.8572, 0.3103,
0.3326

■ 0.0000, 0.0000,
0.0000

■ 110.2125, 0.3105,
0.3323

■ 140.1737, 0.3106,

0.3320

175.1251, 0.3108,
0.3318

■ 13.7151, 0.3082,
0.3356

■ 13.7151, 0.3082,
0.3356

■ 13.0618, 0.3004,
0.3482

■ 14.4530, 0.3161,
0.3243

■ 12.4883, 0.2929,
0.3620

■ 15.2767, 0.3240,
0.3143

■ 11.9920, 0.2860,
0.3771

■ 16.1895, 0.3317,
0.3054

■ 11.5692, 0.2798,
0.3935

■ 17.1940, 0.3392,
0.2975

■ 11.2164, 0.2747,
0.4108

■ 18.2928, 0.3465,
0.2906

■ 10.9294, 0.2710,
0.4288

■ 19.4882, 0.3534,
0.2845

■ 10.7036, 0.2688,
0.4473

■ 20.7827, 0.3600,
0.2791

■ 10.5338, 0.2683,
0.4656

■ 22.1785, 0.3663,
0.2745

■ 10.4085, 0.2694,
0.4836

■ 23.6778, 0.3722,
0.2704

Harmonies

Analogous

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



13.7151, 0.3147, 0.3393



13.7151, 0.3082, 0.3356



13.7151, 0.3030, 0.3301

Triad

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



13.7151, 0.3082, 0.3356



13.7151, 0.3048, 0.3180



13.7151, 0.3252, 0.3335

Complementary

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



13.7151, 0.3082, 0.3356



12.8849, 0.3175, 0.3225

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.



13.7151, 0.3225, 0.3278



13.7151, 0.3082, 0.3356



13.7151, 0.3107, 0.3190

Square

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



13.7151, 0.3082, 0.3356



13.7151, 0.3010, 0.3200



13.7151, 0.3172, 0.3226



13.7151, 0.3245, 0.3380

Rectangle

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



13.7151, 0.3082, 0.3356



13.7151, 0.3009, 0.3262



13.7151, 0.3172, 0.3226



13.7151, 0.3247, 0.3316

Sweetspot

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



13.7157, 0.3082, 0.3356



25.0244, 0.3111, 0.3313



13.8293, 0.3163, 0.3422



5.8673, 0.3112, 0.3311



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.



13.7157, 0.3082, 0.3356



24.3757, 0.3070, 0.3374



13.7761, 0.3044, 0.3290



3.4990, 0.3071, 0.3374



13.1077, 0.2704, 0.4933



66.6137, 0.2730, 0.5029

Inverse Universe

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



12.8849, 0.3175, 0.3225



22.5215, 0.3188, 0.3208



12.8267, 0.3217, 0.3290



3.2334, 0.3188, 0.3208



4.1120, 0.4886, 0.2466



20.7769, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 13.7151, 0.3082, 0.3356 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 13.7151, 0.3082, 0.3356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

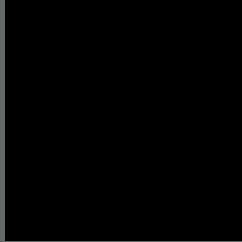
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

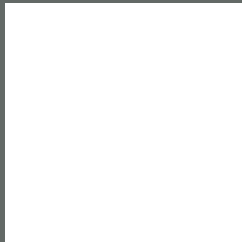
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.7151, 0.3082, 0.3356

Background



This preview shows how black text looks on a background with the Yxy color 13.7151, 0.3082, 0.3356.



This preview shows how white text looks on a background with the Yxy color 13.7151, 0.3082, 0.3356.

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

13.7151, 0.3082, 0.3356

Protanopia

13.7043, 0.3197, 0.3333

Deuteranopia

13.6710, 0.3293, 0.3228



Tritanopia

13.8372, 0.2984, 0.3118

Trichromacy



Original Color

13.7151, 0.3082, 0.3356

Protanomaly

13.7238, 0.3152, 0.3356

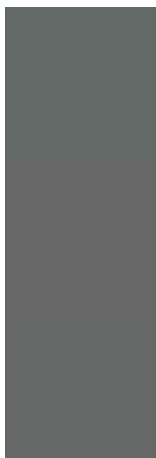
Deuteranomaly

13.7332, 0.3215, 0.3269

Tritanomaly

13.6927, 0.3020, 0.3203

Monochromacy



Original Color

13.7151, 0.3082, 0.3356

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.7047, 0.3112, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7151, 0.3082, 0.3356 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(99, 105, 102) looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 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(99, 105, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 102) }
```

Border

The CSS property to change the border of an element to Yxy 13.7151, 0.3082, 0.3356 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(99, 105, 102) }
```

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

```
.border{ border-color:rgb(99, 105, 102) }
```

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

Here you see how a box with a 4 pixel rgb(99, 105, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 102);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7151, 0.3082, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 102) }
```

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

```
.background{ background-color: rgb(99, 105,  
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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